



# HQExo™ Exosome-665-HEK293

Catalog: Exo-F665-HEK293

Exosomes are small extracellular vesicles with sizes of 30-160 nm, which is a subtype of extracellular vesicles (EVs). Exosomes are secreted by all cell types and play a crucial role in intercellular signaling and communication. Exosomes are nano-sized shuttles that transport signaling RNAs, lipids, peptides and proteins to other cells. Studying exosome contents to get an insight into their roles in disease initiation and progression. HQExo™ exosomes/microvesicles labeled with a lipid dye could use as positive controls for FACS and fluorescence microscopy. Exosome can be purified by ultracentrifugation and characterized by nanoparticles tracking analysis (NTA) and ELISA or WB. Lyophilization is useful for a long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Creative Biostructure standard exosome products guarantee higher purity and quality to meet our customer's downstream analyses.

## PRODUCT INFORMATION

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| <b>Product Name</b>   | HQExo™ Exosome-665-HEK293                                 |
| <b>Catalog Number</b> | Exo-F665-HEK293                                           |
| <b>Source</b>         | Fluorescent labeled exosome derived from HEK293 cell line |



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| <b>Product Overview</b> | <p>Exosomes are small extracellular vesicles with sizes of 30-160 nm, which is a subtype of extracellular vesicles (EVs). Exosomes are secreted by all cell types and play a crucial role in intercellular signaling and communication. Exosomes are nano-sized shuttles that transport signaling RNAs, lipids, peptides and proteins to other cells. Studying exosome contents to get an insight into their roles in disease initiation and progression. HQExo™ exosomes/microvesicles labeled with a lipid dye could use as positive controls for FACS and fluorescence microscopy. Exosome can be purified by ultracentrifugation and characterized by nanoparticles tracking analysis (NTA) and ELISA or WB. Lyophilization is useful for a long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Creative Biostructure standard exosome products guarantee higher purity and quality to meet our customer's downstream analyses.</p> |
| <b>Form</b>             | Lyophilized powder/ frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>    | >1x10 <sup>10</sup> particles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -20°C or colder. Recommend to avoid repeated freeze-and-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## USAGE GUIDELINES

|                         |                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Handling</b> | <p>Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.</p> |
| <b>Storage</b>          | <p><b>Short term:</b> +2°C to +8°C (up to 1 week)<br/> <b>Long term:</b> -80°C (stable for 12 months)</p>                                                   |
| <b>Stability</b>        | Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.                                                                                           |
| <b>Freeze / Thaw</b>    | Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.                                                                           |

**Important:** This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.