



HQExo™ Exosome-SDH-Benign Prostatic Hyperplasia plasma

Catalog: Exo-HDBF-06

PRODUCT INFORMATION

Name	HQExo™ Exosome-SDH-Benign Prostatic Hyperplasia plasma
Cat No.	Exo-HDBF-06
Source	Exosome derived from Single Donor Human Benign Prostatic Hyperplasia plasma
Product Overview	<p>Exosomes are nanosized vesicles (30-160 nm) secreted by exocytosis by most cell types and contain specific cargos, such as RNAs, lipids, and proteins. The cargo amount and composition of exosomes depend on the cell type from which they are released, which makes them useful for biomarker discovery and functional characterization. Exosomes can deliver a variety of specific proteins, lipids and nucleic acids contained in them to nearby or distant target cells, and play the role of intercellular information exchange, thereby participating in the regulation of multiple physiological and pathological processes in the human body. Studies have shown that exosomes are related to the transport and release of characteristic molecules related to various diseases. The study of exosome from human disease-state body fluids will help us to systematically understand the relationship between exosomes and the occurrence and development of diseases. HQExo™ standard exosomes could be used as positive controls for exosome isolation and functional research, such as ELISA, FACS, WB. Lyophilization is useful for long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Ultracentrifugation and precipitation techniques are mainly used in exosome isolation. It has been reported that both methods yield extracellular vesicles in the size range of exosomes and include apoproteins, which can be used in downstream analyses. Nanoparticle Tracking Analysis (NTA) is used for measuring exosome particles concentration, and WB or ELISA can be used in exosomal biomarkers analysis. Creative Biostructure standard exosome products guarantee higher purity and quality to meet our customer research.</p>
Form	Lyophilized powder/ frozen liquid
Concentration	1x10 ⁹ particles
Storage	Store at -20°C or colder. Recommend to avoid repeated freeze-and-thaw cycles.
