



Human MSP2N2 lyophilized protein with a his-tag

Catalog: MSP-1004

PRODUCT INFORMATION

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| Name | Human MSP2N2 lyophilized protein with a his-tag |
| Cat No. | MSP-1004 |
| Shortname | MSP2N2 |
| Source | E.coli |
| Product Overview | Recombinant human membrane scaffold protein 2N2 was expressed in E.coli and purified by Ni-NTA. |
| Purity | >90% |
| Species | Human |
| Tag | His |
| Molecular Mass | 45.67kDa |
| Storage | Stored lyophilized powder at -20°C. The reconstituted solution should be stored at 2-8°C and should be used up in several days. |
| Background | Nanodiscs are a new class of model membranes that are being used to solubilize and study a range of integral membrane proteins and membrane-associated proteins. The Nanodisc bilayer is bounded by a membrane scaffold protein coat that confers enhanced stability and a narrow particle size distribution. The nanodisc assembles from a mixture of full length membrane protein in detergent, phospholipid micelles and membrane scaffold protein upon removal of the detergent. |
| Reconstitution | Adding double distilled water to prepare a stock solution of 4mg/mL. This stock solution can be diluted further as required by the different application protocols. |
| Scaffold Diameter | 17 nm |
| Formulation | Lyophilized from 20mM Tris pH 7.4, 100 mM NaCl, 0.5 mM EDTA. |