



Human MSP2N2 lyophilized protein with a his-tag

Catalog: MSP-1004

PRODUCT INFORMATION

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.