PRODUCT INFORMATION

Target	MSP2N2
Synonyms	APOA1
Description	Recombinant human MSP2N2 Protein with N-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P02647
Expression Host	HEK293
Tag	N-6×His tag
Molecular Characterization	6×His tag APOA1(Ser79-Gln267) (Pro90-Gln267)
Molecular Weight	The protein has a predicted molecular mass of 45.5 kDa after removal of the signal peptide. The apparent molecular mass of His-MSP2N2 is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	MSP2N2 is another type of Membrane Scaffold Protein used to form nanodiscs, which are useful for studying membrane proteins. Nanodiscs are disk-shaped lipid bilayers stabilized by scaffold proteins derived from apolipoproteins.
Usage	Research use only
Conjugate	Unconjugated

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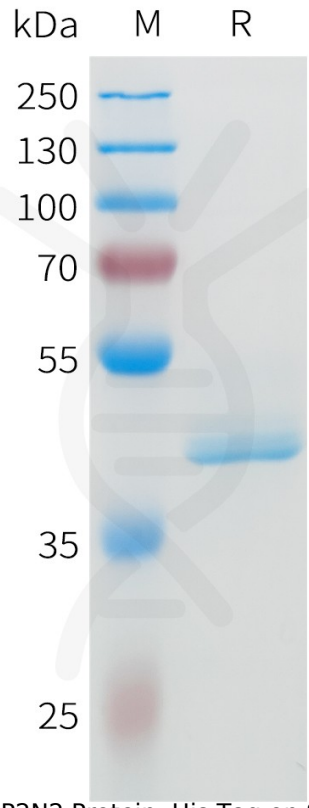


Figure 1. Human MSP2N2 Protein, His Tag on SDS-PAGE under reducing condition.

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