

PRODUCT INFORMATION

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| Target | MSP1D1 |
| Synonyms | APOA1 |
| Description | Recombinant human MSP1D1 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) |
| Molecular Weight | The protein has a predicted molecular mass of 23.7 kDa after removal of the signal peptide. The apparent molecular mass of His-MSP1D1 is approximately 15-25 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 | MSP1D1 (Membrane Scaffold Protein 1D1) is derived from Apolipoprotein A-I (ApoA-I) and is used in the formation of nanodiscs, which are tools for studying membrane proteins in a controlled lipid environment. |
| Usage | Research use only |
| Conjugate | Unconjugated |



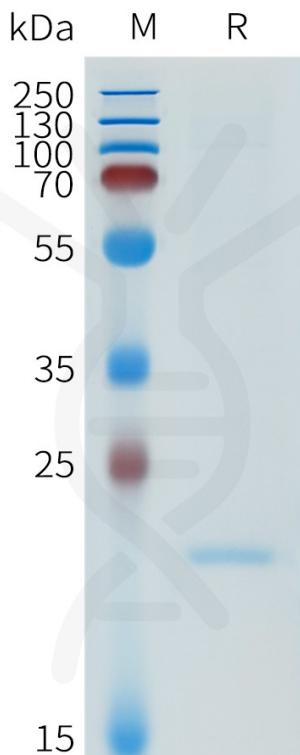


Figure 1. Human MSP1D1 Protein, His Tag on SDS-PAGE under reducing condition.

