Recombinant Human MVP protein, His & T7-tagged

Cat. No. MVP-1768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MVP aa. (Ala2~Pro272 (Accession # Q14764)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Pro272
Description	This gene encodes the major component of the vault complex. Vaults are multi-subunit ribonucleoprotein structures that may be involved in nucleo-cytoplasmic transport. The encoded protein may play a role in multiple cellular processes by regulating the MAP kinase, JAK/STAT and phosphoinositide 3-kinase/Akt signaling pathways. The encoded protein also plays a role in multidrug resistance, and expression of this gene may be a prognostic marker for several types of cancer. Alternatively spliced transcript variants have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	38kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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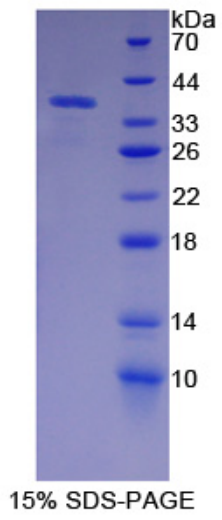
Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MVP major vault protein [Homo sapiens (human)]
Official Symbol	MVP
Synonyms	LRP8; LDL receptor related protein 8; MCI1; LRP-8; APOER2; HSZ75190; low-density lipoprotein receptor-related protein 8; ApoE receptor 2; low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
Gene ID	9961
mRNA Refseq	NM_001293204.1

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Protein Refseq	NP_001280133.1
UniProt ID	Q14764



SDS-PAGE

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