

Recombinant Full Length Human MVP Protein, GST-tagged

Cat. No. MVP-6998HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length MVP(1 a.a. - 893 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	893 amino acids
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.
Molecular Mass	123.97 kDa
AA Sequence	MATEEFIIRIPPYHYIHVLDQNSNSRVEVGPKTYIRQDNERVLFAPMRMVTVPPrHY CTVANPVSRDAQGLVLF DVTGQVRLRHADLEIRLAQDPFPLYPGEVLEKDITPLQVV LPNTALHLKALLDFEDKDGDKVWAGDEWLFEGPGT YIPRKEVEVVEIIQATIIRQNQA LRLRARKECWDRDGKERVGTGEWLVTTVGAYLPAVFEEVLDLVDVILTEKT ALHL RARRNFRDFRGVSRRTGEEWLVTVQDTEAHVPDVHEEVLGVVPITTLGPHNYCVIL DPVGPDGKNQLGQKR VVKGEKSFFLQPGEQLEQGIQDVVYLSEQQGLLLRALQPL

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EEGEDEEEKVSHQAGDHWLIRGPLEYVPSAKVEVVE ERQAIPLDENEGIYVQDVKTG
 KVRVIGSTYMLTQDEVLWEKELPPGVEELLNKGQDPLADRGEKDTAKSLQPLA PR
 NKTRVVSYRVPHNAAVQVYDYREKRARVVFGEPELVSLGPEEQFTVLSLSAGRPKRP
 HARRALCLLLGPDFFTD VITIETADHARLQLQLAYNWHFEVNDRKDPQETAKLFSVP
 DFVGDACKAIASRVRGAVASVTFFDFHKNSARIIR TAVFGFETSEAKGPDGMALPRP
 RDQAVFPQNGLVVSSVDVQSVEPVDQRTDALQRSVQLAIEITTSQEAAAKH EAQ
 RLEQEARGRLERQKILDQSEAEKARKELLELEALSMAVESTGTAKAEAESRAEAARI
 EGEGSVLQAKLKAQA LAIETEAEQLRVQKVRELELVYARAQLELEVSKAQQLAEVE
 VKKFKQMTEAIGPSTIRDLAVAGPEMQVKLLQSL GLKSTLITDGSTPINLFNTAFGLL
 GMGPEGQPLGRRVASGSPGEGISPQSAQAPQAPGDNHVVPVLR

Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MVP major vault protein [Homo sapiens (human)]
Official Symbol	MVP
Synonyms	MVP; major vault protein; LRP; lung resistance related protein; VAULT1; lung resistance-related protein
Gene ID	9961
mRNA Refseq	NM_005115

Protein Refseq	NP_005106
MIM	605088
UniProt ID	Q14764

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