

Recombinant Human MVP, GST-tagged

Cat. No. MVP-1115H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MVP(1 a.a. - 893 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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	MATEEFIIRIPPYHYIHVLDQNSNVS RVEVGPKTYIRQDNERVLFAPMRMVTVP PRHYCTVANPVSRDAQGLVLF DVTGQVRLRHADLEIRLAQDPFPLYPGEVLEKDITPLQVVL PNTALHLKALLDFEDKDGDKVVAGDEWLFEGPGT YIPRKEVEVVEIIQATIIRQNQA LRLRARKECWDRDGKERTVGEEWLVTTVGAYLPAVFEEVLDLVDVILTEKT ALHL RARRNFRDFRGVSRRTGEEWLVTVDTEAHVPDVHEEV LGVVPITTLGPHNYCVILDPVGPDKGNQLGQKR VVKGEKSFFLQPGEQLEQGIQDVYVLSEQQGLLLRALQPLEEGEDEEKVSHQAGDHWLIRGPLEYVPSAKVEVVE ERQAIPLDENEGIYVQDVKTG

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KVRAVIGSTYMLTQDEVLWEKELPPGVEELLNKGQDPLADRGEKDTAKSLQPLA PR
 NKTRVVSYPHNAAVQVYDYREKRARVVGPELVSLGPEEQFTVLSLSAGRPKRP
 HARRALCLLLGPDFFTD VITIETADHARLQLQLAYNWHFEVNDRKDPQETAKLFSVP
 DFVGDAKAIASRVRGAVASVTDFDFHKNSARIIR TAVFGFETSEAKGPDGMALPRP
 RDQAVFPQNGLVVSSVDVQSVEPVDQRTDALQRSVQLAIEITTNSQEAAAKH EAQ
 RLEQEARGRLERQKILDQSEAEKARKELLELEALSMAVESTGTAKAEAESRAEAARI
 EGEGSVLQAKLKAQA LAIETEAELQRVQKVRELELVYARAQLELEVSKAQQLAEVE
 VKKFKQMTEAIGPSTIRDLAVAGPEMQVKLLQSL GLKSTLITDGSTPINLFNTAFGLL
 GMGPEGQPLGRRVASGPSPGEGISPQSAQAPQAPGDNHVVPVLR

Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. 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
Chromosome Location	16p11.2
Function	protein binding; protein kinase binding; protein phosphatase binding

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