

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 LRLRARKECWDRDGKERV TGEEWLVTTVGAYLPAVFEEVLDLVDVILTEKT ALHLRARRNFRDFRGVSRRTGEEWLVTVQDTEAHVPDVHEEV LGVVPITTLGPHNYCVILDPVGPDGKNQLGQKR 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

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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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