

# Recombinant Full Length Human MVP Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full-length MVP(1 a.a. - 893 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	893 amino acids
<b>Description</b>	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.
<b>Molecular Mass</b>	123.97 kDa
<b>AA Sequence</b>	MATEEFIIRIPPYHYIHVLDQNSNVS RVEVGPKTYIRQDNERVL FAPMRMVTVP PRHY CTVANPVS RDAQGLVLF DVTGQVRLRHADLEIRLAQDPFPLY PGEVLEKDITPLQVV LPNTALHLKALLDFEDKDGKVVAGDEWLFEGPGT YIPRKEVEVVEIIQATIIRQNQA LRLRARKECWDRDGKERVTGEEWLVTTVGAYLPAVFEEVLDLVDVILTEKT ALHL RARRNFRDFR GVSRRTGEEWLVTVQDTEAHVPDVH EEV LGVVPITTLGPHNYCVIL DPVGPDGKNQLGQKR VVKGEKSFLLQPGEQLEQGIQDVVYLSEQQGLLLRALQPL

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EEGEDEEKVSHQAGDHWLIRGPLEYVPSAKVEVVE ERQAIPLDENEGIYVQDVKTG  
 KVRVIGSTYMLTQDEVLWEKELPPGVEELLNKGQDPLADRGEKDTAKSLQPLA PR  
 NKTRVVSYRVPHNAAVQVYDYREKRARVVFPELVSLGPEEQFTVLSLSAGRPKRP  
 HARRALCLLLGPDFFTD VITIETADHARLQLQLAYNWHFEVNDRKDPQETAKLFSVP  
 DFVGDACKAIASRVRGAVASVTFDDFHKNSARIIR TAVFGFETSEAKGPDGMALPRP  
 RDQAVFPQNGLVVSSVDVQSVEPVDQRTRDALQRSVQLAIEITTSQEAAAKH EAQ  
 RLEQEARGRLERQKILDQSEA EKARKELLELEALSMAVESTGTAKAEAESRAEAARI  
 EGEGSVLQAKLKAQA LAIETEAE LQRVQKVRELELVYARAQLELEVSKAQQLA EVE  
 VKKFKQMTEAIGPSTIRDLAVAGPEMQVKLLQSL GLKSTLITDGSTPINLNFNTAFGLL  
 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](#)
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**Protein Refseq** NP\_005106

**MIM** 605088

**UniProt ID** Q14764

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