Recombinant Full Length Human MVP Protein, C-Flag-tagged

Cat. No. MVP-1081HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MVP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	99.1 kDa
AA Sequence	MATEEFIIRIPPYHYIHVLDQNSNVSRVEVGPKTYIRQDNERVLFAPMRMVTVPPRHY CTVANPVSRDAQ GLVLFDVTGQVRLRHADLEIRLAQDPFPLYPGEVLEKDITPLQVV LPNTALHLKALLDFEDKDGDKVVAG DEWLFEGPGTYIPRKEVEVVEIIQATIIRQNQA LRLRARKECWDRDGKERVTGEEWLVTTVGAYLPAVFE EVLDLVDAVILTEKTALHL RARRNFRDFRGVSRRTGEEWLVTVQDTEAHVPDVHEEVLGVVPITTLGPHN YCVIL DPVGPDGKNQLGQKRVVKGEKSFFLQPGEQLEQGIQDVYVLSEQQGLLLRALQPLE

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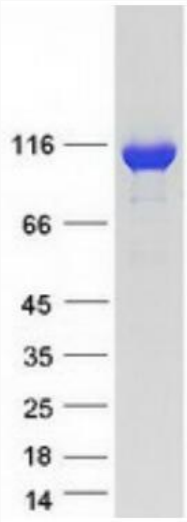
	EGEDEEKVS HQAGDHWLIRGPLEYVPSAKVEVVEERQAIPLDENEGIYVQDVKTGK VRAVIGSTYMLTQDEVLWEKELP PGVEELLNKGQDPLADRGEKDTAKSLQPLAPRN KTRVVSYRVPHNAAVQVYDYREKRARVVFGPELVSLG PEEQFTVLSLSAGRPKRP HARRALCLLLGPDFFTDVITIETADHARLQLQLAYNWHFEVNDRKDPQETAK LFSVP DFVGDACKAIASRVRGAVASVTFDDFHKNSARIIRTAVFGFETSEAKGPDGMALPRP RDQAVFPQ NGLVVSSVDVQSVEPVDQRTRDALQRSVQLAIEITTNSQEAAAKHEAQ RLEQEARGRLERQKILDQSEAE KARKELLELEALSMAVESTGTAKAEAESRAEAARI EGEGSVLQAKLKAQALAIETEAELQRVQKVRELEL VYARAQLELEVSKAQQLAEVE VKKFKQMTEAIGPSTIRDLAVAGPEMQVKLLQSLGLKSTLITDGSTPIN LFNTAFGLLGMGPEGQPLGRRVASGPSPGEGISPQSAQAPQAPGDNHVVPVLRTR TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	MVP major vault protein [Homo sapiens (human)]

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Official Symbol	MVP
Synonyms	LRP; VAULT1
Gene ID	9961
mRNA Refseq	NM_005115.5
Protein Refseq	NP_005106.2
MIM	605088
UniProt ID	Q14764



Coomassie blue staining of purified MVP protein.

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