

## Recombinant Human MVP, MYC/DDK-tagged

Cat. No. MVP-1116H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MVP, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	99.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	MVP major vault protein [ Homo sapiens (human) ]
<b>Official Symbol</b>	MVP
<b>Synonyms</b>	MVP; major vault protein; LRP; lung resistance related protein; VAULT1; lung resistance-related protein
<b>Gene ID</b>	9961
<b>mRNA Refseq</b>	NM_005115
<b>Protein Refseq</b>	NP_005106
<b>MIM</b>	605088
<b>UniProt ID</b>	Q14764
<b>Chromosome Location</b>	16p11.2
<b>Function</b>	protein binding; protein kinase binding; protein phosphatase binding

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