

# Recombinant Human MVP Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MVP-998H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

MVP MS Standard C13 and N15-labeled recombinant protein (NP\_005106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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

99.3 kDa

### AA Sequence

MATEEFIIRIPPHYHYIHVLDQNSNVSRVEVGPKTYIRQDNERVLFAPMRMVTVPPRHY  
 CTVANPVS RDAQGLVLF DVTGQVRLRHADLEIRLAQDPFPLYPGEVLEKDITPLQVV  
 LPNTALHLKALLDFEDKDGKVVAGDEWLFEGPGTYIPRKEVEVVEIIQATIIRQNQAL  
 RLRARKECWDRDGKERVTGEEWLVTTVGAYLPAVFEEVLDLVDVILTEKTALHLRA  
 RRNFRDFR GVSRRGTGEEWLVTVQDTEAHVPDVHEEVLGVVPITTLGPHNYCVILDP  
 VGPDKNQLGQKR VVKGEKSFFLQPGEQLEQGIQDVVYLSEQQGLLLRALQPLEEG

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EDEEKVSHQAGDHWLIRGPLEYVPSAKVEVVEERQAIPLDENEGIYVQDVKTGKVR  
 AVIGSTYMLTQDEVLWEKELPPGVEELLNKGQDPLADRGEKDTAKSLQPLAPRNT  
 RVVSYRVPHNAAVQVYDYREKRARVVFGEPELVSLGPEEQFTVLSLSAGRPKRPHAR  
 RALCLLLGPDFFTDVIETADHARLQLQLAYNWHFEVNDRKDPQETAKLFSVPDFV  
 GDACKAIASRVRGAVASVTFDDFHKNSARIIRTAVFGFETSEAKGPDGMALPRPRDQ  
 AVFPQNGLVVSSVDVQSVEPVDQRTRDALQRSVQLAIEITTSQEAAAKHEAQRLE  
 QEARGRLERQKILDQSEAEKARKELLELEALSMAVESTGTAKAEAESRAEAARIEGE  
 GSVLQAKLKAQALAIETEAEELQRVQKVRELELVYARAQLELEVSKAQQLAEEVEVKKF  
 KQMTEAIGPSTIRDLAVAGPEMQVKLLQSLGLKSTLITDGSTPINLFNTAFGLLGMGP  
 EGQPLGRRVASGSPGEGISPQSAQAPQAPGDNHVVPVLRTRTRPLEQKLISEEDL  
 AANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID 9961

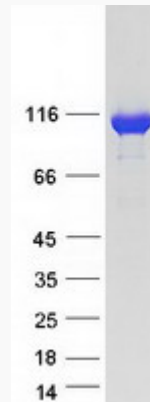
mRNA Refseq NM\_005115

Protein Refseq NP\_005106

MIM 605088

UniProt ID Q14764

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA