

Product datasheet

Recombinant Human MVP protein ab153030

1 Image

Description

|                          |                               |
|--------------------------|-------------------------------|
| <b>Product name</b>      | Recombinant Human MVP protein |
| <b>Expression system</b> | Wheat germ                    |
| <b>Protein length</b>    | Full length protein           |
| <b>Animal free</b>       | No                            |
| <b>Nature</b>            | Recombinant                   |
| <b>Species</b>           | Human                         |

**Sequence**

MATEEFIIIRIPPYHYIHVLDQNSNVSERVEVGPKYIRQDNER  
 VLFAPMRM  
 VTVPPRHYCTVANPVSQDAQGLVLFVDTGQVRLRHADLEI  
 RLAQDPFPLY  
 PGEVLEKDITPLQVVLPTALHLKALLDFEDKDGDKVVAG  
 DEWLFEGPGT  
 YIPRKEVEVVEIIQATIIRQNQALRLRARKECWDRDGERVT  
 GEEWLVT  
 VGAYLPAVFEEVLDLVDVILTEKTALHLRARRNFRDFRG  
 VSRRTGEEWL  
 VTVQDTEAHVPDVHEEVLGVVPITLGPVNYCVILDPVGP  
 DGKNQLGQKR  
 VVKGEKSFFLQPGEQLEQGIQDVVYLSEQQGLLLRALQPL  
 EEGEDEEKVS  
 HQAGDHWLIRGPLEYVPSAKVEVVEERQAIPLDENEGIV  
 QDVKTGKVR  
 VIGSTYMLTQDEVLWEKELPPGVEELLNKGQDPLADRGE  
 KDTAKSLQPLA  
 PRNKTRVVSYRVPHNAAVQVYDYREKRARVVFPELVSL  
 GPPEEQFTVLSL  
 SAGRPKRPHARRALCLLLGPDFFTDVIETADHARLQLQL  
 AYNWHFEVN  
 DRKDPQETAKLFSVPDFVGDACKAIASRVRGAVASVTFD  
 DFHKNSARIIR  
 TAVFGFETSEAKGPDGMALPRPRDQAVFPQNGLVVSSV  
 DVQSVPEVDQRT  
 RDALQRSVQLAIEITNSQEAAAKHEAQRLEQEARGRLER  
 QKILDQSEAE  
 KARKELLELEALSMAVESTGTAKAEAESRAEAARIEGEGS

VLQAKLKAQA  
LAIETEAELQRVQKVRELELVYARAQLELEVSKAQQLAEV  
EVKKFKQMTE  
AIGPSTIRDLAVAGPEMQVKLLQSLGLKSTLITDGSTPINLF  
NTAFGLLG  
MGPEGQPLGRRVASGSPGEGISPQSAQAPQAPGDNHV  
VPVLR

**Amino acids** 1 to 893  
**Tags** GST tag N-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab153030** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** ELISA  
Western blot  
**Form** Liquid

## Additional notes

## Preparation and Storage

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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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**Function** Required for normal vault structure. Vaults are multi-subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo-cytoplasmic transport. Down-regulates INFG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases.

**Tissue specificity** Present in most normal tissues. Higher expression observed in epithelial cells with secretory and excretory functions, as well as in cells chronically exposed to xenobiotics, such as bronchial cells and cells lining the intestine. Overexpressed in many multidrug-resistant cancer cells.

**Sequence similarities** Contains 9 MVP (vault) repeats.

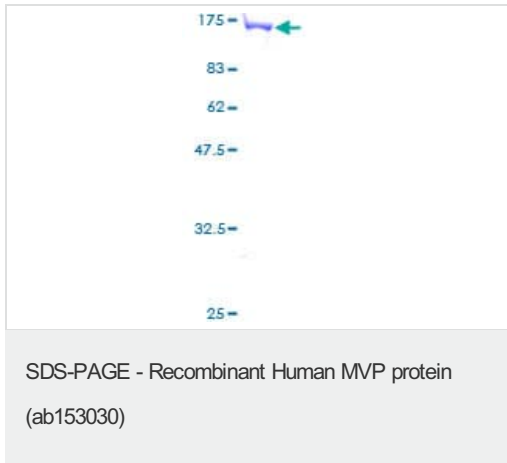
**Domain** MVP 3 mediates interaction with PTEN.  
MVP 4 mediates interaction with PARP4.

**Post-translational modifications** Phosphorylated on Tyr residues after EGF stimulation.  
Dephosphorylated by PTPN11.

**Cellular localization** Cytoplasm. Nucleus > nuclear pore complex. 5% found in the nuclear pore complex. Translocates from the nucleus to the cytoplasm upon EGF treatment.

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## Images



ab153030 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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