

## Recombinant Human MSN protein, His & GST-tagged

Cat. No. MSN-7974H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MSN aa. (Ile354~Met577 (Accession # P26038)) fused with N-terminal His & GST tag was produced in E. coli cells.                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Ile354~Met577                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 58.3kDa                                                                                                                                                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Characteristic</b>   | The isoelectric point is 5.6.                                                                                                                                                                                                                                                                                                                                                         |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>      | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MSN moesin [ Homo sapiens (human) ]                                                              |
| <b>Official Symbol</b> | MSN                                                                                              |
| <b>Synonyms</b>        | HEL70; IMD50; epididymis luminal protein 70; membrane-organizing extension spike protein; moesin |
| <b>Gene ID</b>         | 4478                                                                                             |
| <b>mRNA Refseq</b>     | NM_002444.2                                                                                      |
| <b>Protein Refseq</b>  | NP_002435.1                                                                                      |

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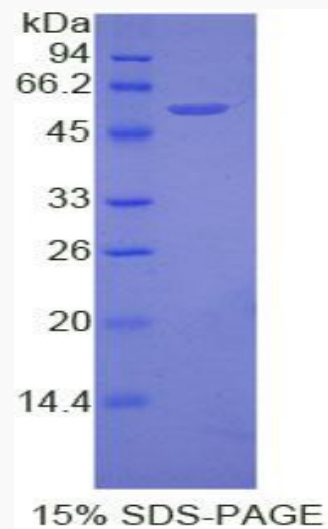
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UniProt ID

P26038

SDS-PAGE

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