# Recombinant Human ESM1 Protein, GST-tagged

**Cat. No.** ESM1-3500H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human ESM1 full-length ORF ( NP_008967.1, 1 a.a. - 184 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | This gene encodes a secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. The expression of this gene is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. The transcript contains multiple polyadenylation and mRNA instability signals. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008] |
| **Molecular Mass** | 46.5 kDa |
| **AA Sequence** | MKSVLLLTTLLVPAHLVAAWSNNYAVDCPQHCDSSECKSSPRCKRTVLDDCGCCR VCAAGRGETCYRTVSGMDGMKCGPGLRCQPSNGEDPFGEEFGICKDCPYGTFGM DCRETCNCQSGICDRGTGKCLKFPFFQYSVTKSSNRFVSLTEHDMASGDGNIVREE VVKENAAGSPVMRKWLNPR |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |

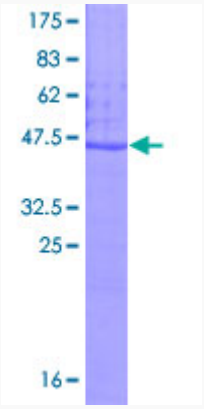
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| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | ESM1 endothelial cell-specific molecule 1 [ Homo sapiens ] |
| **Official Symbol** | ESM1 |
| **Synonyms** | ESM1; endothelial cell-specific molecule 1; ESM-1; endocan; |
| **Gene ID** | 11082 |
| **mRNA Refseq** | NM_001135604 |
| **Protein Refseq** | NP_001129076 |
| **MIM** | 601521 |
| **UniProt ID** | Q9NQ30 |

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| **Quality Control Testing** | <br>12.5% SDS-PAGE Stained with Coomassie Blue. |

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