

## Recombinant Mouse Emcn Protein, His-tagged

**Cat. No.** Emcn-7403M    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant mouse Emcn protein (Glu20 to Ser190) with a 6 × His-tag was expressed in E. coli.                                                                                                                      |
| <b>Species</b>                      | Mouse                                                                                                                                                                                                              |
| <b>Source</b>                       | E.coli                                                                                                                                                                                                             |
| <b>Description</b>                  | Endothelial sialomucin, also called endomucin or mucin-like sialoglycoprotein, which interferes with the assembly of focal adhesion complexes and inhibits interaction between cells and the extracellular matrix. |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                        |
| <b>Molecular Mass</b>               | ~ 18.78 kDa                                                                                                                                                                                                        |
| <b>AA Sequence</b>                  | EDGKDVQNDSIPTPAETSTTKASVTIPGIVSVTNPNKPADGTPPEGTTKSDVSQTS<br>SLVTTINSLTTPKHVGTTEGPLRNESSMTKITVPNTPTSNANSTLPGSQNKTENQSSIR<br>TTEISVTTQLLALPKITATSSASLTTAHTMSLLQDTEDRKIATTPSTTPSYSSSTRHHHH<br>HH                      |
| <b>N-terminal Sequence Analysis</b> | EDGKDVQND                                                                                                                                                                                                          |
| <b>Purity</b>                       | > 95 % by SDS-PAGE and Silver staining                                                                                                                                                                             |

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|                       |                                                                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Shelf life: one year from despatch.                                                                                                                                                                                                |
| <b>Storage</b>        | <p>Prior to reconstitution store at 2-8 centigrade.</p> <p>Following reconstitution store undiluted at 2-8 centigrade for one month or (in aliquots) at -20 centigrade for longer.</p> <p>Avoid repeated freezing and thawing.</p> |
| <b>Storage Buffer</b> | 10 mM NaP, pH 7.0                                                                                                                                                                                                                  |
| <b>Reconstitution</b> | Restore in water or PBS to a concentration of not lower than 100 µg/mL.                                                                                                                                                            |

## GENE INFORMATION

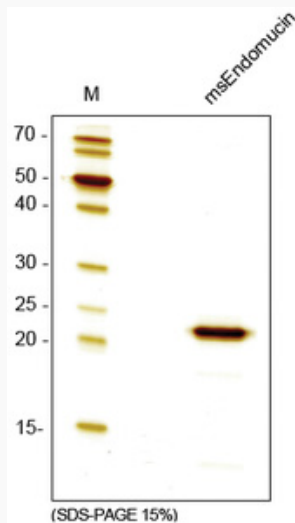
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Emcn endomucin [ <i>Mus musculus</i> (house mouse) ]                                                                            |
| <b>Official Symbol</b> | Emcn                                                                                                                            |
| <b>Synonyms</b>        | Emcn; endomucin; Muc14; AI315669; 0610012K22Rik; endomucin; MUC-14; endomucin-1; endomucin-1/2; mucin 14, endothelial; mucin-14 |
| <b>Gene ID</b>         | 59308                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001163522                                                                                                                    |
| <b>Protein Refseq</b>  | NP_001156994                                                                                                                    |
| <b>UniProt ID</b>      | Q9R0H2                                                                                                                          |

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## SDS-PAGE



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