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EMCN
Recombinant Human Endomucin His-Tag, soluble

Catalog No.	CS541	**Quantity:**	20 µg

Alternate Names: Endomucin-2, Mucin-14, MUC14, Gastric cancer antigen Ga34

Description: Endomucin (endothelial sialomucin; also Endomucin-1/2 and Mucin-14) is an 80-120 kDa glycoprotein member of the Endomucin family of proteins. It is expressed on endothelial cells and depending upon its glycosylation pattern, can serve as either a pro- or anti-adhesive molecule. Mouse Endomucin precursor is 261 amino acids in length. It is a type I transmembrane protein that contains a 170 aa extracellular domain (ECD) (aa21-190) and a 50 aa cytoplasmic region. Three splice variants exist in the ECD. One shows a deletion of aa91-141, a second shows a one aa substitution for aa91-129, and a third shows a one aa substitution for aa129-142. Over aa21-90, mouse Endomucin shares 60% and 30% aa identity with rat and human Endomucin, respectively.

UniProt ID: Q9ULC0

Gene ID: 51705

Source: *E. coli*

Molecular Weight: 20.4 kDa, Asn18 to Ser190 with N-terminal 6X Histidine

Formulation: Lyophilized from 10 mM sodium phosphate, pH 7.0.

Purity: >95% by SDS-PAGE, visualized by silver stain

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMNSTGV LEAANNSLVV TTTKPSITTP NTESLQKNVV TPTTGTTPKG TITNELLKMS LMSTATFLTS KDEGLKATTT DVRKNDSIIS NVTVTSVTLP NAVSTLQSSK PKTETQSSIK TTEIPGSVLQ PDASPSKTGT LTSIPVTIPE NTSQSQVIGT EGGKNASTSA TSRSYSS

Reconstitution: **Centrifuge vial prior to opening.** Add sterile water to the vial to a concentration of 0.1 - 1.0 mg/mL. **Do not vortex.** After complete solubilization of the protein, it may be further diluted with other solutions containing a carrier protein such as 0.1 % BSA.

Storage & Stability: The lyophilized protein is stable at -20°C to -80° for up to 1 year. Reconstituted working aliquots are stable for 1 week at 2-8°C and for 3 months at -20°C to -80°C.
Avoid repeated freeze/thaw cycles.

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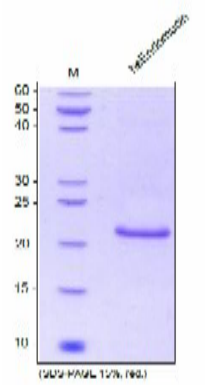
15% SDS-polyacrylamide gel under reducing conditions and stained with Coomassie blue.



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