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Datasheet for ABIN1589740

Endomucin Protein (EMCN) (Monomer, Soluble) (His tag)

Overview

Quantity:	20 µg
Target:	Endomucin (EMCN)
Protein Characteristics:	Monomer, Soluble
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Endomucin protein is labelled with His tag.

Product Details

Sequence:	EDGKDVQNDS IPTPAETSTT KASVTIPGIV SVTNPNKPAD GTPPEGTTKS DVSQTSLVTT INSLTTPKHE VGTTTEGPLR NESSTMKITV PNTPTSNANS TLPGSQNKTE NQSSIRTTEI SVTTQLLDAL PKITATSSAS LTTAHTMSLL QDTEDRKIAT TPSTTPSYSS TRHHHHHH
Characteristics:	Length (AA): 191 Chromosomal location: 3 G3, 3
Purity:	> 95 % by SDS-PAGE. Visualized by silver stain

Target Details

Target:	Endomucin (EMCN)
Alternative Name:	Endomucin (EMCN Products)
Background:	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

Target Details

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 type I transmembrane protein that contains a 170 aa extracellular domain (ECD) (aa 21 - 190) and a 50 aa cytoplasmic region. Three splice variants exist in the ECD. One shows a deletion of aa 91 - 141, a second shows a one aa substitution for aa 91 - 129, and a third shows a one aa substitution for aa 129 - 142. Over aa 21 - 90, mouse Endomucin shares 60 % and 30 % aa identity with rat and human Endomucin, respectively. The sequence corresponds to Glu20 to Ser190. A 6x His-tag is fused to the C-terminal end of the recombinant mouse soluble Endomucin.

Synonyms: Endomucin-1/2, Mucin-14, Muc-14

Molecular Weight: 18.78 kDa

NCBI Accession: [NP_001156994](#), [NM_001163522](#)

UniProt: [Q9R0H2](#)

Application Details

Application Notes: No biological data available at the moment.

Comment: Soluble Receptors

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: The lyophilized mouse sEndomucin is soluble in water and most aqueous buffers, it should be reconstituted in water or PBS to a concentration of not lower than 100 µg/mL.

Buffer: 10 mM NaP, pH 7.0

Storage: -20 °C/-80 °C

Storage Comment: The material is stable for greater than six months at -20° C to -70° C. After the first thawing it is recommended to aliquote the material, because repeated freeze-thaw cycles will decrease the activity.

Expiry Date: 6 months