

Datasheet for ABIN1589739

Endomucin Protein (EMCN) (Monomer, Soluble) (His tag)[Go to Product page](#)

Overview

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

Product Details

Purpose:	Endomucin
Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMNSTGV LEAANNSLVV TTTKPSITTP NTESLQKNVV TPTTGTTPKG TITNELLKMS LMSTATFLTS KDEGLKATTT DVRKNDSIIS NVTVTSVTLP NAVSTLQSSK PKTETQSSIK TTEIPGSVLQ PDASPSKTGT LTSIPVTIPE NTSQSQVIGT EGGKNASTSA TSRSYSS
Specificity:	Chromosomal location:4q24
Characteristics:	Length (aa):197
Purity:	> 95 % by SDS-PAGE

Target Details

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

Target Details

Background:	<p>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 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.</p> <p>Synonyms: Endomucin-2, Gastric cancer antigen Ga34, Mucin-14</p>
Molecular Weight:	20.4 kDa
Gene ID:	51705
NCBI Accession:	NM_001159694 , NP_001153166
UniProt:	Q9ULC0

Application Details

Comment:	Soluble Receptors
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	The lyophilized human soluble Endomucin 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