

Endomucin Recombinant Protein | EMCN recombinant protein

Human Endomucin

CATALOG # AAA79313	HOST E Coli	REACTIVITY Human
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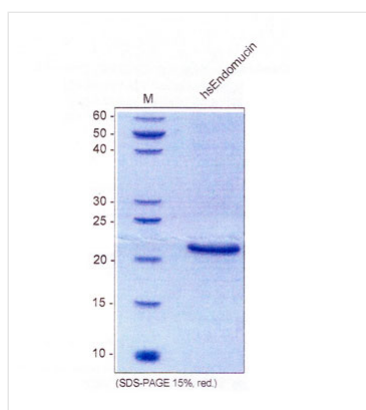
PRODUCT SYNONYMS

Endomucin; Human Endomucin; Recombinant Human Soluble Endomucin; Endomucin-2; Gastric cancer antigen Ga34; Mucin-14; EMCN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 95% by SDS-PAGE & silver stain
Form/Format	Lyophilized
Sequence	MGSSHHHHH SSGLVPRGSH MGSHMNSTGV LEAANNSLVV TTTKPSITTP NTESLQKNVV TPTTGTPPKG TITNELLKMS LMSTATFLTS KDEGLKATTT DVRKNDSIIS NVTVTSVTLN NAVSTLQSSK PKTETQSSIK TTEIPGSVLQ PDASPSKTGT LTSIPVTIPE NTSQSQVIGT EGGKNASTSA TSSRSYSS
Sequence Length	197
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 100ug/ml
Preparation and Storage	The material is stable for greater than six months at -20 degree C to -70 degree C. After the first thawing it is recommended to aliquote the material, because repeated freeze-thaw cycles will decrease the activity.

IMAGES



SDS-PAGE

SDS-PAGE analysis of recombinant human soluble Endomucin produced in E.Coli. Sample was loaded in 15% SDS-Polyacrylamide gel under reducing condition and stained with coomassie blue

ADDITIONAL INFORMATION

Related Product Information for EMCN recombinant protein	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.
Product Categories/Family for EMCN recombinant protein	Soluble receptors
References	1. Kinoshita M et al, FEBS Lett 499 (1-2): 121, 2001 2. Kuhn A et al, J Invest Dermatol 119:1388, 2002 3. Matsubara A et al, J Exp Medicine 202:1483, 2005 4. Brachtendorf G et al, Dev Dyn 222:410, 2001 5. Morgan SM et al, Blood 93:165, 1999 6. Samulowitz U et al, Am J Path 160:1669, 2002

NCBI AND UNIPROT INFORMATION

NCBI GI #	229576885
NCBI GeneID	51705
NCBI Accession #	NP_001153166.1
NCBI GenBank Nucleotide #	NM_001159694.1
UniProt Accession #	Q9ULC0 ; Q8NEY5 ; Q8WWE7 ; Q9NRM8 ; A8K716 ; B4E347
Molecular Weight	20.4 kDa (Monomer)
NCBI Official Full Name	endomucin isoform 2
NCBI Official Synonym Full Names	endomucin
NCBI Official Symbol	EMCN
NCBI Official Synonym Symbols	EMCN2; MUC14
NCBI Protein Information	endomucin; MUC-14; mucin-14; endomucin-2; gastric cancer antigen Ga34
UniProt Protein Name	Endomucin
UniProt Gene Name	EMCN
UniProt Synonym Gene Names	EMCN2; MUC14; MUC-14
UniProt Entry Name	MUCEN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.