

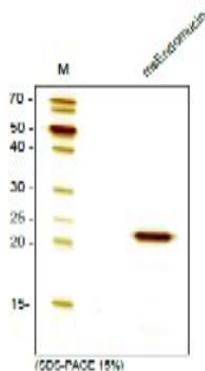
Emcn

Recombinant Mouse Endomucin His-Tag, soluble

Catalog No.	CS423	Quantity:	20 µg
Alternate Names:	Endomucin-1/2, Mucin-14, Muc-14		
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:	Q9R0H2		
Gene ID:	59308		
Source:	<i>E. coli</i>		
Molecular Weight:	18.78 kDa (191 aa)		
Formulation:	Lyophilized from 10 mM sodium phosphate, pH 7.0.		
Purity:	>95% by SDS-PAGE, visualized by silver stain		
Amino Acid Sequence:	EDGKDVQNDS IPTPAETSTT KASVTIPGIV SVTNPNKPAD GTPPEGTTKS DVSQTSLVTT INSLTTPKHE VGTTTEGPLR NESSTMKITV PNTPTSANNS TLPGSQNKTE NQSSIRTTEI SVTTQLLDAL PKITATSSAS LTTAHTMSLL QDTEDRKIAT TPSTTPSYSS TRHHHHHH		
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.		



SDS-PAGE analysis of Recombinant Mouse Soluble Endomucin produced in *E. coli*. Sample was loaded in 15% SDS-polyacrylamide gel under reducing conditions and stained with silver staining.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.