

Mucin-13(MUC13) Active Protein | MUC13 active protein

Recombinant Human Mucin-13(MUC13), partial (Active)

CATALOG #
AAA279384

HOST
Yeast

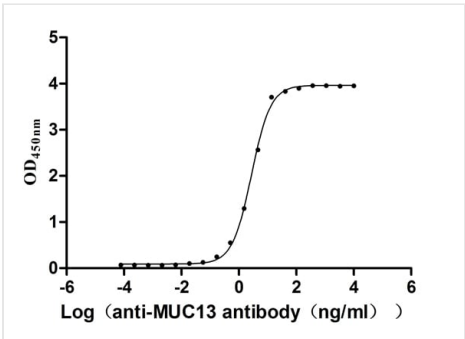
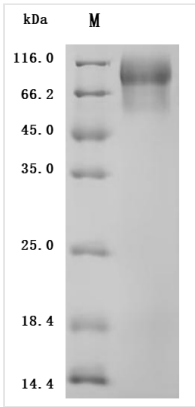
PRODUCT SYNONYMS

Mucin-13(MUC13); Recombinant Human Mucin-13(MUC13); partial (Active); DRCC1; RECC; MUC13 active protein

PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder; Lyophilized from a 0.2um filtered 20 mM Tris-HCl,0.5 M NaCl,250mM Imidazole 6% Trehalose, pH 8.0
Sequence	TNQGNSADAV TTTETATSGP TVAAADTTET NFPETASTTA NTPSFPTATS PAPP IISTHS SSTIPTAPP IISTHSSSTI PIPTAADSES TTNVNSLATS DIITASSPND GLITMVPSET QSNNEMSPPT EDNQSSGPPT GTALLETSTL NSTGPSNPCQ DDPCADNSLC VKLHNTSFCL CLEGYYYNSS TCKKGKVFPG KISVTVSETF DPEEKHSMAY QDLHSEITSL FKDVFGTSVY GQTVILTVST SLSPRSEMRA DDKFVNVTIV TILAETTS DN EKTVTEKINK AIRSSSSNFL NYDLTLRCDY YGCNQATDDC LNGLACDCKS DLQRPNPQSP FCVASSLKCP DACNAQHKQC LIKSGGAPE CACVPGYQED ANGNCQKCAF GYSGLDCKDK FQL
Sequence Length	19-421aa; Partial
Species	Homo sapiens (Human)
Tag	N-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human MUC13 at 2ug/mL can bind Anti-MUC13 recombinant antibody . The EC50 is 2.592-2.923ng/mL.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Activity

SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for MUC13 active protein	Epithelial and hemopoietic transmembrane mucin that may play a role in cell signaling.
Product Categories/Family for MUC13 active protein	Cancer
References	Muc13, a novel human cell surface mucin expressed by epithelial and hemopoietic cells. Williams S.J., Wreschner D.H., Tran M., Eyre H.J., Sutherland G.R., McGuckin M.A.J. Biol. Chem. 276:18327-18336 (2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	308736985
NCBI GeneID	56667
NCBI Accession #	NP_149038.3
NCBI GenBank Nucleotide #	NM_033049.3
UniProt Accession #	Q9H3R2; Q6UWD9; Q9NXT5
Molecular Weight	54,517 Da
NCBI Official Full Name	mucin-13
NCBI Official Synonym Full Names	mucin 13, cell surface associated
NCBI Official Symbol	MUC13
NCBI Official Synonym Symbols	DRCC1; MUC-13
NCBI Protein Information	mucin-13; down-regulated in colon cancer 1; mucin 13, epithelial transmembrane
UniProt Protein Name	Mucin-13
UniProt Gene Name	MUC13
UniProt Synonym Gene Names	DRCC1; RECC; MUC-13
UniProt Entry Name	MUC13_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.

