abcam

Product datasheet

Recombinant Human Mucin 5AC protein (Tagged) ab114218

1 Image

Description

Product name	Recombinant Human Mucin 5AC protein (Tagged)
Expression system	Wheat germ
Accession	P98088
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	NQSTCAVYHRSLIIQQQGCSSSEPVRLAYCRGNCGDSSS MYSLEGNTVEH RCQCCQELRTSLRNVTLHCTDGSSRAFSYTEVEECGCM GRRCPAPGDTQH
Amino acids	5528 to 5627
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab114218** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	

Preparation and Storage

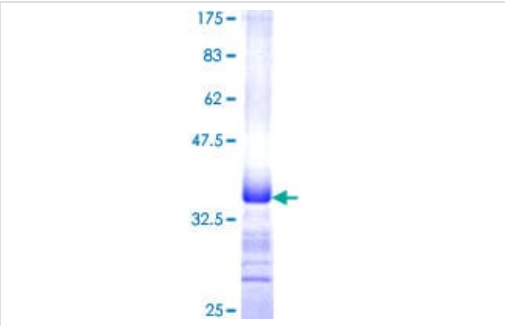
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Gel-forming glycoprotein of gastric and respiratoy tract epithelia that protects the mucosa from infection and chemical damage by binding to inhaled microrganisms and particles that are subsequently removed by the mucocilary system.
Tissue specificity	Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.
Sequence similarities	Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 3 TIL (trypsin inhibitory-like) domains. Contains 4 VWFC domains. Contains 4 VWFD domains.
Domain	The cysteine residues in the Cys-rich subdomain repeats are not involved in disulfide bonding.
Post-translational modifications	C-, O- and N-glycosylated. O-glycosylated on the Thr-/Ser-rich tandem repeats. C-mannosylation in the Cys-rich subdomains may be required for proper folding of these regions and for export from the endoplasmic reticulum during biosynthesis. Proteolytic cleavage in the C-terminal is initiated early in the secretory pathway and does not involve a serine protease. The extent of cleavage is increased in the acidic parts of the secretory pathway. Cleavage generates a reactive group which could link the protein to a primary amide.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant Human Mucin 5AC protein (ab114218)

ab114218 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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