

Recombinant Human MUC12 Protein, His-tagged

Cat. No. MUC12-2461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC12 Protein (Ser5261-Val5335) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser5261-Val5335
Description	This gene encodes an integral membrane glycoprotein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces and have been implicated in epithelial renewal and differentiation. These glycoproteins also play a role in intracellular signaling. This protein is expressed on the apical membrane surface of epithelial cells that line the mucosal surfaces of many different tissues including the colon, pancreas, prostate, and uterus. The expression of this gene is downregulated in colorectal cancer tissue.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.4 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MUC12 mucin 12, cell surface associated [Homo sapiens (human)]
Official Symbol	MUC12
Synonyms	MUC12; mucin 12, cell surface associated; MUC11; MUC-11; MUC-12; mucin-12 mucin-11
Gene ID	10071
mRNA Refseq	NM_001164462
Protein Refseq	NP_001157934
MIM	604609

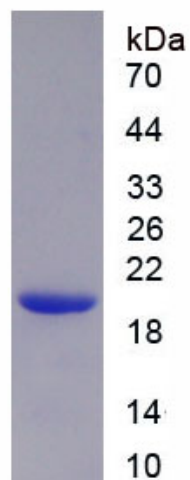
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UniProt ID

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