

Recombinant Human MUC4 protein, GST-tagged

Cat. No. MUC4-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC4 (79 a.a. - 188 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	79-188 a.a.
Description	The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	37.84 kDa
AA Sequence	GVSLFPYGADAGDLEFVRRRTVDFTSPLFKPATGFPLGSSLRDSLYFTDNGQIIFPESD YQIFSYPNPLPTGFTGR DPVALVAPFWDDADFSTGRGTTFYQEYETFYGEHS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	MUC4 mucin 4, cell surface associated [Homo sapiens]
Official Symbol	MUC4
Synonyms	ASGP; MUC-4; HSA276359; mucin-4; ascites sialoglycoprotein; mucin 4, tracheobronchial; pancreatic adenocarcinoma mucin; testis mucin; tracheobronchial mucin
Gene ID	4585
mRNA Refseq	NM_004532
Protein Refseq	NP_004523
MIM	158372
UniProt ID	Q99102
Chromosome Location	3q29
Pathway	Metabolism of proteins, organism-specific biosystem; O-linked glycosylation, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem

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Function

ErbB-2 class receptor binding; extracellular matrix constituent, lubricant activity

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