

Recombinant Human MUC2 Protein (36-240 aa), His-SUMO-tagged

Cat. No. MUC2-672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC2 Protein (36-240 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	36-240 aa
Description	Coats the epithelia of the intestines, airways, and other mucus mbrane-containing organs. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Major constituent of both the inner and outer mucus layers of the colon and may play a role in excluding bacteria from the inner mucus layer.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	38.8 kDa
AA Sequence	VCSTWGNFHYKTFDGDVFRFPGLCDYNFASDCRGSYKEFAVHLKRGPGQAEAPAG VESILLTIKDDTIYLTRHLAVLNGAVVSTPHYSPLGILLIEKSDAYTKVYSRAGLTLMWNR EDALMLELDTKFRNHTCGLCGDYNGLQSYSEFLSDGVLFSPLEFGNMQKINQPDVV CEDPEEEVAPASCSEHRAECERLLTAEAFADCQDL

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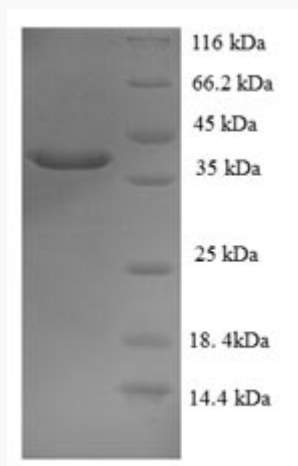
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.
GENE INFORMATION	
Gene Name	MUC2 mucin 2, oligomeric mucus/gel-forming [Homo sapiens]
Official Symbol	MUC2
Synonyms	MUC2; mucin-2; MLP; SMUC; MUC-2;
Gene ID	4583
mRNA Refseq	NM_002457
Protein Refseq	NP_002448
MIM	158370
UniProt ID	Q02817

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

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