

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

Cat. No. MUC2-1466H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human MUC2 Protein (36-240 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.

**Species** Human

**Source** Yeast

**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** 24.8 kDa

**AA Sequence**  
 VCSTWGNFHYKTFDGDVFRFPGLCDYNFASDCRGSYKEFAVHLKRGPGQAEAPAG  
 VESILLTIKDDTIYLTRHLAVLNGAVVSTPHYSPLLLIEKSDAYTKVYSRAGLTLMWNR  
 EDALMLELDTKFRNHTCGLCGDYNGLQSYSEFLSDGVLFSPLEFGNMQKINQPDVV  
 CEDPEEEVAPASCSEHRAECERLLTAEAFADCQDL

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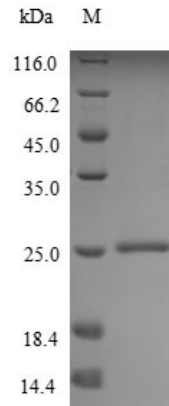
 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	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.
<b>Concentration</b>	A hardcopy of COA with reconstitution instruction is sent along with the products.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">MUC2 mucin 2, oligomeric mucus/gel-forming [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">MUC2</a>
<b>Synonyms</b>	MUC2; mucin-2; MLP; SMUC; MUC-2;
<b>Gene ID</b>	<a href="#">4583</a>
<b>mRNA Refseq</b>	<a href="#">NM_002457</a>
<b>Protein Refseq</b>	<a href="#">NP_002448</a>
<b>MIM</b>	<a href="#">158370</a>
<b>UniProt ID</b>	<a href="#">Q02817</a>

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

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