

Mucin-16/MUC16 Protein, Human, Recombinant (His)

General Information

Synonyms:	MUC-16;Mucin-16;MUC16;Ovarian carcinoma antigen CA125;CA125;Ovarian cancer-related tumor marker CA125 (CA-125)
Protein Construction:	12660-12923 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q8WXI7
Molecular Weight:	30.5 kDa (predicted)
AA Sequence:	GFTHWIPVPTSSTPGTSTVDLGSSTPSSLPSTTAGPLLVPFTLNFTITNLKYEEDMHCPGSRKFNTTERVLQSL LGPMFKNTSVGPLYSGCRLTLRSEKDGAATGVDAICTHRLDPKSPGVDRQLWELSQLTNGIKELGPYTLT RNSLYVNGFTHQTSAPNTSTPGTSTVDLGTSGTSSLPSPSAGPLLVPFTLNFTITNLQYEEDMHHPGSRKFN TTERVLQGLLGPMPFKNTSVGLLYSGCRLTLRPEKNGAATGM

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized MUC16 at 10 µg/mL can bind MSLN, the EC 50 is 460.7-662.2 ng/mL.
Purity:	> 95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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