

## Mucin-13 Protein, Human, Recombinant (His)

## General Information

Synonyms: MUC-13;Down-regulated in colon cancer 1;MUC13;RECC;DRCC1;Mucin-13

Protein Construction: 19-421 aa

Species: Human

Expression Host: HEK293 Cells

Accession: Q9H3R2

Molecular Weight: 44.0 kDa (Predicted)

AA Sequence:

TNQGNSADAVTTTETATSGPTVAAADTTETNFPETASTTANTPSFPTATSPAPPIISTHSSSTIPTPAPPIISTHSS  
STIPIPTAADSESTTNVNSLATSIDIITASSPNDGLITMVPSETQSNNEMSPTTEDNQSSGPPTGTALLETSTLNST  
GPSNPCQDDPCADNSLCVKLHNTSFCLCLEGYYNSSTCKKGVFPGKISVTVSETFDPEEKHSMAYQDLHSE  
ITSLFKDVFVGTSVYGQTVILTVSTLSRSEMRAADKFNVTIVTILAETTSDNEKTVTEKINKAIRSSSSNFLNYD  
LTLRCDYYGCNQATADDCLNGLACDCKSDLQRPNPQSPFCVASSLKCPDACNAQHKQCLIKKSGGAPEACACV  
PGYQEDANGNCQKCAFGYSGLDCKDKFQL

## QC Testing

Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized Human MUC13 at 2 µg/mL can bind Anti-MUC13 recombinant antibody (CSB-RA887973MA1HU). The EC50 is 3.806-5.269 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 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.

## 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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