

Active Recombinant Human MUC16 protein, His-tagged

Cat. No. MUC16-0273H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human MUC16 protein(Pro13810-Pro14451), fused with His tag, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 13810-14451 a.a. |
| Form | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| Bio-activity | Immobilized Recombinant Human MSLN / Mesothelin Protein at 2 µg/ml (100 µl/well) can bind Recombinant Human CA125 Protein (ECD, His Tag), the EC50 is 6-18 ng/mL. |
| Molecular Mass | The recombinant human MUC16 consists of 653 amino acids and predicts a molecular mass of 73.27 kDa. It migrates as an approximately 101.25 kDa band in SDS-PAGE under reducing conditions. |
| Proteinlength | Pro13810-Pro14451 |
| Endotoxin | < 1.0 EU per µg protein as determined by the LAL method. |

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| Purity | > 95 % as determined by SDS-PAGE. |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

GENE INFORMATION

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| Gene Name | MUC16 mucin 16, cell surface associated [Homo sapiens] |
| Official Symbol | MUC16 |
| Synonyms | MUC16; mucin 16, cell surface associated; mucin-16; CA125; FLJ14303; CA-125; MUC-16; CA125 ovarian cancer antigen; ovarian carcinoma antigen CA125; ovarian cancer-related tumor marker CA125; |
| Gene ID | 94025 |
| mRNA Refseq | NM_024690 |
| Protein Refseq | NP_078966 |
| MIM | 606154 |
| UniProt ID | Q8WXI7 |

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