

Product Datasheet

Recombinant Human MUC1 GST (N-Term) Protein H00004582-Q01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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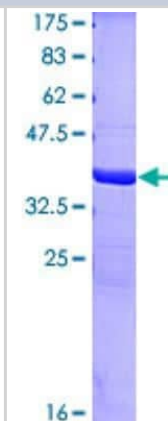
H00004582-Q01-10ug**Recombinant Human MUC1 GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	37.4 kDa
Product Description	
Description	<p>A recombinant protein with a N-terminal GST tag corresponding to the amino acid sequence 315-420 of Human MUC-1</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: NSSLEDPSTDYYQELQRDISSEMFLQIYKQGGFLGLSNIKFRPGSVVVQLTLAFR EGTINVHDMETQFNQYKTEAASRYNLTISDVSVDVPFPFSAQSGAGVPGWG</p>
Gene ID	4582
Gene Symbol	MUC1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification



Images

Recombinant Human MUC-1 Protein [H00004582-Q01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Liu H, Zhang L, Xu Y et al. Sandwich immunoassay coupled with isothermal exponential amplification reaction: An ultrasensitive approach for determination of tumor marker MUC1. *Talanta*. 2019-06-04 [PMID: 31357289]

McDaniel JR, Pero SC, Voss WN et al. Identification of tumor-reactive B cells and systemic IgG in breast cancer based on clonal frequency in the sentinel lymph node. *Cancer Immunol Immunother* 2018-02-09 [PMID: 29427082]

Lu H, Ladd J, Feng Z et al. Evaluation of Known Oncoantibodies, HER2, p53, and Cyclin B1, in Prediagnostic Breast Cancer Sera. *Cancer Prev Res (Phila)*. 2012-07-03 [PMID: 22715141]

Florea A, Taleat Z, Cristea C et al. Label free MUC1 aptasensors based on electrodeposition of gold nanoparticles on screen printed electrodes. *Electrochemistry Communications*. 2013-08-01

Desmetz C, Bascoul-Mollevis C, Rochaix P et al. Identification of a New Panel of Serum Autoantibodies Associated with the Presence of In situ Carcinoma of the Breast in Younger Women. *Clin Cancer Res* 2009-07-15 [PMID: 19584157]



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Products Related to H00004582-Q01-10ug

NBP1-60046PEP	MUC1 Antibody Blocking Peptide
NB300-141	GFAP Antibody
NBP1-60046	MUC1 Antibody - BSA Free
NB300-223	Vimentin Antibody

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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