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Product Sheet

Cynomolgus MUC1 Protein; His Tag

GM-88639RP-100 / 100 μg
GM-88639RP-1000 / 1 mg

Product Information

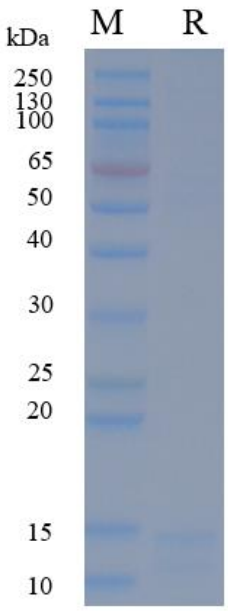
Product Name	Cynomolgus MUC1 Protein; His Tag
Source	Cynomolgus MUC1 Protein; His Tag (GM-88639RP) is expressed from CHO cells. It contains AA Leu 254 - Gly 373 (Accession # XP_005541632.1). This protein carries a His tag at the C-terminus.
Predicted MW	14.4 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	Mucin 1, MUC1, CD227, EMA, H23AG, KL-6, MAM6, MUC-1, SEC, MUC-1, X, MUC1, ZD, PEM, PEMT, PUM, CA15-3, Episialin
Background	Mucin-1 (MUC1, CD227), also termed episialin, is a large, heavily O-glycosylated type I transmembrane glycoprotein displayed on the apical surface of glandular epithelial cells. Autocatalytic cleavage within its SEA domain generates a non-covalent heterodimer comprising a mucinous ectodomain bearing variable numbers of twenty-residue tandem repeats and a membrane-anchored C-terminal subunit. The extended glycosylated alpha chain forms a protective, anti-adhesive barrier, whereas the beta subunit tail is tyrosine-phosphorylated and engages effectors modulating SRC, ERK, Ras/MAPK and NF-kappa-B signaling. Aberrant overexpression and altered glycosylation accompany malignant transformation of breast, ovarian and other epithelia, driving invasion and metastasis, and have established MUC1 as both a circulating biomarker and an immunotherapeutic target.

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For research use only!

Data

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

MUC1;Sialyl-Tn (STN) MUC1	
Cynomolgus_MUC1-C(Flag-p62-p58-heterodimer) CHO-K1 Cell Line	Flag-Cynomolgus_MUC1(CD227) CHO-K1 Cell Line
H_MUC1(CD227) CHO-K1 Cell Line	H_MUC1(CD227) HEK-293 Cell Line
H_MUC1-C(Flag-p62-p58-heterodimer) CHO-K1 Cell Line	
Anti-H_MUC1(CD227)hIgG1 Antibody(Clivatuzumab)	Anti-MUC1 hIgG1 Antibody(3D1)
Anti-MUC1(CD227) hIgG1 Reference Antibody(Gatbio)	Anti-TA-MUC1(CD227)-DXD (Dar8)[DS-3939]
Anti-STn-MMAE ADC(Dar4)[SGN-STNV]	

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