

Recombinant Human MUC1 Protein, MYC/DDK-tagged

Cat. No. MUC1-2139H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human MUC1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293

Species Human

Source HEK293

Description This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2011].

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 25.1 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name MUC1 mucin 1, cell surface associated [Homo sapiens]

Official Symbol MUC1

Synonyms ADMCKD; ADMCKD1; CA 15-3; CD227; EMA; H23AG; KL-6; MAM6; MCD; MCKD; MCKD1; MUC-1; MUC-1/SEC;

Gene ID 4582

mRNA Refseq NM_001018016

Protein Refseq NP_001018016

MIM 158340

UniProt ID P15941

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