

## **PRODUCT INFORMATION**

MUC1 **Target** 

EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; **Synonyms** 

CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADTKD2; Ca15-3; ADMCKD1; CA 15-3

Recombinant Cynomolgus MUC1(254-373) protein with C-terminal  $10 \times \text{His tag}$ **Description** 

Delivery

**Uniprot ID** XP\_005541632.2

**Expression Host** HEK293

Tag C-10×His tag

Molecular

Reconstitution

**Background** 

Storage & Shipping

MUC1(Arg254-Asn373) 10×His tag Characterization

The protein has a predicted molecular mass of Molecular Weight 12.9 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as

**Purity** determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

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 celladhesion 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

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in multiple transcript variants.[provided by

RefSeq, Feb 2011]

Usage Research use only

Conjugate Unconjugated

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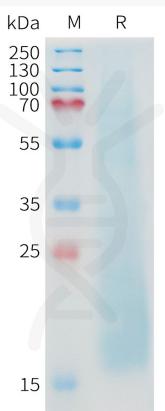


Figure 1. Cynomolgus MUC1(254-373) Protein, His Tag on SDS-PAGE under reducing condition.

