

# Human DMBT1/Muclin (His Tag) recombinant protein



Catalog Number: 502044

## General Information

### Gene Name Synonym

Glycoprotein 340; Hensin; Salivary agglutinin; Surfactant pulmonary-associated D-binding protein

### Protein Construction

A DNA sequence encoding the N-terminal segment of human DMBT1 (NP\_004397.2) (Met 1-Ser 220) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant human Galectin-3 (Cat:10289-HNAE-E) at 10 µg/ml (100 µl/well) can bind biotinylated DMBT1-His (Cat:502044) with a linear range of 0.06-1.0 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gly 21

### Molecular Mass

The recombinant human DMBT1 consists of 211 amino acids and has a predicted molecular mass of 22.6 kDa. The apparent molecular mass of rh DMBT1 is approximately 35-45 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

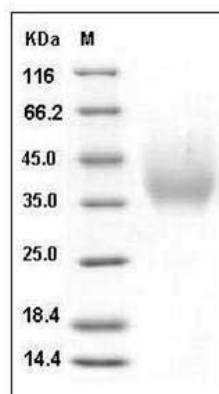
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human DMBT1 / Muclin Protein (His Tag) SDS-PAGE