

# Product Information

## **MemDX™ Antibody Discovery - Human MUC-17 (4131-4390) Membrane Protein, Partial, -His tag**

Cat. No.: **MP0645F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human MUC-17 (4131-4390). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Human

#### Target Protein

MUC-17

#### Protein Length

ECD

#### Molecular Weight

This protein was cleaved within the SEA domain between 4243 Gly and 4244 Ser, and was cleaved into N and C-terminal fragment with calculated MW of 12.6 kDa and 18.6 kDa respectively. The protein migrates as 20 kDa and 25-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Arg 4131 - Leu 4390 (Accession # Q685J3-1).

### Product Description

#### Application

SDS-PAGE

#### Expression Systems

HEK293

#### Tag

His tag at the C-terminus

#### Protein Format

Soluble

#### Form

LYOPH

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Purity**

>90% as determined by SDS-PAGE.

**Buffer**

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization

**Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

**Target****Target Protein**

MUC-17

**Full Name**

mucin 17, cell surface associated

**Introduction**

The protein encoded by this gene is a membrane-bound mucin that provides protection to gut epithelial cells. The encoded protein contains about 60 tandem repeats, with each repeat being around 60 aa. N-glycosylation enables the encoded protein to localize on the cell surface, while the C-terminus interacts with the scaffold protein PDZ domain containing 1 (PDZK1). Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene.

**Alternative Names**

MUC3; MUC-3; MUC-17; mucin-17; membrane mucin MUC17; secreted mucin MUC17; small intestinal mucin MUC3; small intestinal mucin-3

**Gene ID**

[140453](#)

**UniProt ID**

[Q685J3](#)