

# Product Information

## MemDX™ Membrane Protein Human CD47 (CD47 molecule) expressed in Sf9 for Antibody

### Discovery

Cat. No.: **MP0105Q**

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

This product is a 14 kDa Human CD47 membrane protein expressed in Sf9. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

CD47

#### Protein Length

Partial

#### Protein Class

Druggable Genome, Transmembrane

#### Molecular Weight

14 kDa

#### TMD

5

#### Sequence

MWPLVAALLLGSACCGSAQLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDIYTFDGALNKSTVPTDFSSAKIE

### Product Description

#### Expression Systems

Sf9

#### Tag

C-DDK

#### Form

Powder

#### Purity

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

**Buffer**

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

CD47

**Full Name**

CD47 molecule

**Introduction**

This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.

**Alternative Names**

IAP; MER6; OA3; leukocyte surface antigen CD47; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); CD47 glycoprotein; Rh-related antigen; antigen identified by monoclonal antibody 1D8; CD47; Protein MER6; antigenic surface determinant protein OA3; integrin associated protein; integrin-associated signal transducer

**Gene ID**

[961](#)

**UniProt ID**

[Q08722](#)