

# Product Information

## MemDX™ Membrane Protein Human CD81 (CD81 molecule) Full Length

Cat. No.: **MPC1085K**

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

This product is a 25.8 kDa Human CD81 membrane protein expressed in HEK293. 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

CD81

#### Protein Length

Full length

#### Protein Class

Immunity; Receptor

#### Molecular Weight

25.8 kDa

#### TMD

4

#### Sequence

MGVEGCTKCIKYLLFVFNFVFWLAGGVILGVALWLRHDPQTTNLLYLELG  
DKPAPNTFYVGIVIILIAVGAVMMFVGFLGCGYGAIQESQCLLGTFFTCLVI  
LFACEVAAGIWGFVNKDQIAKDVKQFYDQALQQAVVDDDANNAKAVVKTF  
HETLDCCGSSTLTALTTSVLKNNLCPSGSNIISNLFKEDCHQKIDDLFSG  
KLYLIGIAAIIVAVIMIFEMILSMVLCCGIRNSSVY

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

CD81

**Full Name**

CD81 molecule

**Introduction**

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

CD81; S5.7; CVID6; TAPA1; TSPAN28; CD81 antigen; 26 kDa cell surface protein TAPA-1; CD81 antigen (target of antiproliferative antibody 1); tetraspanin-28; tspan-28; CD81 molecule

**Gene ID**

[975](#)

**UniProt ID**

[P60033](#)