

# Product Information

## MemDX™ Membrane Protein Human CD247 (CD247 molecule) Full Length

Cat. No.: **MPC1471K**

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

This product is a 18.6 kDa Human CD247 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

CD247

#### Protein Length

Full length

#### Protein Class

Receptor; Immunity

#### Molecular Weight

18.6 kDa

#### TMD

1

#### Sequence

MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALF  
LRVKFSRSADAPAYQQGQNQLYNELNLGRREEYDVLKRRGRDPEMGGKP  
QRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGDGLYQGLSTATK  
DTYDALHMQALPPR

### 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

CD247

#### Full Name

CD247 molecule

#### Introduction

The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

#### Alternative Names

CD247; T3Z; CD3H; CD3Q; CD3Z; TCRZ; IMD25; CD3-ZETA; T-cell surface glycoprotein CD3 zeta chain; CD247 antigen, zeta subunit; CD3Z antigen, zeta polypeptide (TiT3 complex); CD3zeta chain; T-cell antigen receptor complex, zeta subunit of CD3; T-cell receptor T3 zeta chain; TCR zeta chain; CD247 molecule

#### Gene ID

[919](#)

#### UniProt ID

[P20963](#)