

# Product Information

## MemDX™ Membrane Protein Human CD5 (CD5 molecule) Full Length

Cat. No.: **MPC2637K**

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

This product is a made-to-order Human CD5 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

CD5

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MPMGSLLQPLATLYLLGMLVASCLGRLSWYDPDFQARLTRSNSKCGQLEV  
YLKDGWHMVCSSQSWGRSSKQWEDPSQASKVCQRLNCGVPLSLGPFLVTYT  
PQSSIICYGQLGSFSNCSHSRNDMCHSLGLTCLEPQKTTPTTRPPPTTT  
PEPTAPPRLQLVAQSGGQHCAGVVEFYSGSLGGTISYEAQDKTQDLENFL  
CNNLQCGSFLKHLPETEAGRAQDPGEPREHQPLPIQWKIQNSSCTSLEHC  
FRKIKPQKSGRVLALLCSGFQPKVQSRLVGGSSICEGTVEVRQGAQWAAL  
CDSSSARSSLRWEEVCREQQCGSVNSYRVLDAGDPTSRGLFCPHQKLSQC  
HELWERNSYCKKVFVTCQDPNPAGLAAGTVASIILALVLLVLLVVCGPL  
AYKKLVKKFRQKKQRQWIGPTGMNQNMFSHRNHTATVRSHAENPTASHVD  
NEYSQPPRNSHLSAYPALEGALHRSSMQPDNSSDSYDLHGAQRL

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

CD5

**Full Name**

CD5 molecule

**Introduction**

This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.

**Alternative Names**

CD5; T1; LEU1; T-cell surface glycoprotein CD5; CD5 antigen (p56-62); epididymis secretory sperm binding protein; lymphocyte antigen T1/Leu-1; CD5 molecule

**Gene ID**

[921](#)

**UniProt ID**

[P06127](#)