

# Product Information

## MemDX™ Membrane Protein Human CD40LG (CD40 ligand) Full Length

Cat. No.: **MPC1782K**

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

This product is a 29.2 kDa Human CD40LG 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

CD40LG

#### Protein Length

Full length

#### Protein Class

Cytokine

#### Molecular Weight

29.2 kDa

#### TMD

1

#### Sequence

MIETYNQTSRSAATGLPISMKIFMYLLTVFLITQMIGSALFAVYLHRRL  
DKIEDERNLHEDFVFMKTIQRCNTGERSLSLLNCEEIKSQFEGFVKDIML  
NKEETKKENSFEMQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYTMSN  
NLVTLENGKQLTVKRQGLYYIYAQVTFCSNREASSQAPFIASLCLKSPGR  
FERILLRAANTHSSAKPCGQQSIHLGGVFELQPGASVFNVTDPQSQVSHG  
TGFTSFGLLKL

### 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 -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

CD40LG

**Full Name**

CD40 ligand

**Introduction**

The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.

**Alternative Names**

CD40LG; IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L; CD40 antigen ligand; CD40-L; T-B cell-activating molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5; CD40 ligand

**Gene ID**

[959](#)

**UniProt ID**

[P29965](#)