

# Product Information

## MemDX™ Membrane Protein Human CTLA4 (Cytotoxic T-lymphocyte associated protein 4)

### Full Length

Cat. No.: **MPC1652K**

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

This product is a 24.6 kDa Human CTLA4 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

CTLA4

#### Protein Length

Full length

#### Protein Class

Immunity

#### Molecular Weight

24.6 kDa

#### TMD

1

#### Sequence

MACLGFRHKAQLNLATRTWPCTLLFFLLFIPVFCKAMHVAQPAVVLAASS  
RGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDD  
SICTGTSSGNQVNLTIQGLRAMDTGLYICKVELMYPPPYLIGINGTQIY  
VIDPEPCPDSDFLLWILAAVSSGLFFYSFLLTAVSLSKMLKKRSPLTTGV  
YVKMPTEPECEKQFQPYFIPIN

### 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**

CTLA4

**Full Name**

Cytotoxic T-lymphocyte associated protein 4

**Introduction**

This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.

**Alternative Names**

CTLA4; CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3; cytotoxic T-lymphocyte protein 4; celiac disease 3; cytotoxic T lymphocyte associated antigen 4 short spliced form; cytotoxic T-lymphocyte-associated serine esterase-4; insulin-dependent diabetes mellitus 12; ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4; Cytotoxic T-lymphocyte associated protein 4

**Gene ID**

[1493](#)

**UniProt ID**

[P16410](#)