

## Recombinant Human CTLA4 Protein, DDK/His-tagged

Cat. No. CTLA4-344H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CTLA4(Ala37-Phe162), transcript variant 1, fused with DDK/His tag at C-terminal was expressed in HEK293.

**Species** Human

**Source** HEK293


**ProteinLength** Ala37-Phe162

**Description** 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.


**Form** 1 x PBS, pH7.4, 10% glycerol

**Molecular Mass** 16 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** CTLA4 cytotoxic T-lymphocyte-associated protein 4 [ Homo sapiens ]

**Official Symbol** CTLA4

**Synonyms**

CTLA4; cytotoxic T-lymphocyte-associated protein 4; celiac disease 3 , CELIAC3; cytotoxic T-lymphocyte protein 4; CD; CD28; CD152; GSE; ICOS; CD152 isoform; celiac disease 3; cytotoxic T-lymphocyte antigen 4; cytotoxic T-lymphocyte-associated antigen 4; cytotoxic T-lymphocyte-associated serine esterase-4; cytotoxic T lymphocyte associated antigen 4 short spliced form; ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4; GRD4; CTLA-4; IDDM12; CELIAC3;

**Gene ID** 1493

**mRNA Refseq** NM\_005214

**Protein Refseq** NP\_005205

**UniProt ID** P16410

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