

Product datasheet for **TP700217**

CTLA4 (NM_005214) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human cytotoxic T-lymphocyte-associated protein 4 (CTLA4), transcript variant 1, with C-terminal human Fc and his tags, expressed in human cells
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC210150, encoding the extracellular domain (Ala37-Phe162) of human CTLA4
Tag:	C-Fc/His
Predicted MW:	40 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005205
Locus ID:	1493
UniProt ID:	P16410
RefSeq Size:	1997
Cytogenetics:	2q33.2
RefSeq ORF:	669
Synonyms:	ALPS5; CD; CD152; CELIAC3; CTLA-4; GRD4; GSE; IDDM12



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Summary:

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. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Autoimmune thyroid disease, Cell adhesion molecules (CAMs), T cell receptor signaling pathway

Product images: