

Active Recombinant Human CTLA4 Protein, His-Avi-tagged, Biotinylated

Cat. No. CTLA4-257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CTLA-4, His Tag, Avi Tag is expressed from HEK293 cells. It contains AA Ala 37 - Phe 162 (Accession # Q6GR94-1). This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag.
Species	Human
Source	HEK293
ProteinLength	37-162 a.a.
Predicted N Terminal	Ala 37
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human B7-1, Fc Tag at 2 ug/mL (100 uL/well) can bind Biotinylated Human CTLA-4, His Tag, Avi Tag with a linear range of 0.8-25 ug/mL.
Molecular Mass	The protein has a calculated MW of 17.2 kDa. The protein migrates as 22-30 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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

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mRNA Refseq	NM_001037631
Protein Refseq	NP_001032720
UniProt ID	P16410

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