

## Active Recombinant Human CTLA4 protein, mFc-Avi-tagged, Biotinylated

Cat. No. CTLA4-256H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human CTLA4 protein(Ala 37 - Phe 162), fused with mFc and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	37-162 a.a.
<b>Form</b>	Lyophilized from 0.22 $\mu$ m filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human B7-1, Fc Tag (HPLC-verified) at 5 $\mu$ g/mL (100 $\mu$ L/well) can bind Biotinylated Humane CTLA-4, Mouse IgG2a Fc,Avitag with a linear range of 0.3-5 ng/mL.Immobilized Human B7-2, Fc Tag at 5 $\mu$ g/mL (100 $\mu$ L/well) can bind Biotinylated Humane CTLA-4, Mouse IgG2a Fc,Avitag with a linear range of 0.3-2 ng/mL.Immobilized Ipilimumab at 5 $\mu$ g/mL (100 $\mu$ L/well) can bind Biotinylated Humane CTLA-4, Mouse IgG2a Fc,Avitag with a linear range of 0.2-2 ng/mL.
<b>Molecular Mass</b>	This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag (Avitag <sup>™</sup> ).The protein has a calculated MW of 42.1 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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<b>Proteinlength</b>	Ala37-Phe162
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CTLA4 cytotoxic T-lymphocyte-associated protein 4 [ Homo sapiens ]
<b>Official Symbol</b>	CTLA4
<b>Synonyms</b>	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;
<b>Gene ID</b>	1493

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mRNA Refseq [NM\\_001037631](#)

Protein Refseq [NP\\_001032720](#)

UniProt ID [P16410](#)

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