

Active Recombinant Human CTLA4 protein, His-tagged

Cat. No. CTLA4 -0273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTLA4 protein(NP_005205.2)(Met1-Phe162), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Phe162
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized Human CD86 hFc at 2 µg/mL (100 µL/well) can bind Human CTLA-4 His, the EC50 of Human CTLA-4 His is 1.5-12.0 ng/mL.2. Measured by its ability to inhibit IL-2 secretion by stimulated Jurkat human acute T cell leukemia cells. The ED50 for this effect is 0.05-0.3µg/mL when stimulated with 1 µg/mL Recombinant Human B7-1/CD80.
Molecular Mass	The recombinant human CTLA4 consists of 138 amino acids and has a predicted molecular mass of 15 kDa. As a result of glycosylation, the apparent molecular mass of human CTLA4 is approximately 22-27 kDa in SDS-PAGE under reducing conditions
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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.

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_001037631
Protein Refseq	NP_001032720

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UniProt ID

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