Active Recombinant Human CTLA4 protein, Twin Strep-tagged

Cat. No. CTLA4-2235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTLA4(Ala 37 - Phe 162) fused with Twin Strep tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala 37 - Phe 162
Predicted N Terminal	Ala 37
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CD80 /B7-1 Protein, With C-Fc Tag at 2 μg/mL (100 μl/well) can bind Recombinant Human CTLA4 /CD152 Protein, With C-Twin Strep Tag with a linear range of 1-20 ng/mL.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human B7-2 / CD86 Protein, With C-Fc Tag at 2 μg/mL (100 μl/well) can bind Recombinant Human CTLA4 /CD152 Protein, With C-Twin Strep Tag with a linear range of 1-20 ng/mL.
Molecular Mass	Has a calculated MW of 16.5 kDa. DTT-reduced Protein migrates as 21-26 kDa in SDS-PAGE due to glycosylation.

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Endotoxin	Less than 1.0 EU per μg of the rh CTLA4 /CD152,twin strep tag by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).

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
MIM	123890
UniProt ID	P16410

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Chromosome Location	2q33
Pathway	Adaptive Immune System, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;
Function	protein binding;

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