

Recombinant Human CTLA4 protein, His-tagged

Cat. No. CTLA4-54H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CTLA4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	CTLA4, also known as cytotoxic T-lymphocyte-associated protein 4, is a co-inhibitory molecule expressed on T cells that mediates the inhibition of T-cell function. This protein is a crucial immune regulator that mediates both negative costimulation signals to T cells, and regulatory T (Treg)-cell extrinsic control of effector responses. It has been implicated in several autoimmune diseases, such as systemic lupus erythematosus.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol.
Molecular Mass	14.6kDa (135aa)18-28KDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADLKAMHVAQ PAVVLASSRG IASFVCEYAS PGKATEVRVT VLRQADSQVT EVCAATYMMG NELTFLDDSI CTGTSSGNQV NLTIQGLRAM DTGLYICKVE LMYPPPYLIG INGTQIYVI DPEPCPDS DH HHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE

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Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name CTLA4 cytotoxic T-lymphocyte-associated protein 4 [Homo sapiens]

Official Symbol CTLA4

Synonyms CTLA4; CD; CD28; CD152; GSE; ICOS; GRD4; CTLA-4; IDDM12; CELIAC3

Gene ID 1493

mRNA Refseq NM_001037631

Protein Refseq NP_001032720

MIM

UniProt ID P16410

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),

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conserved biosystem;

Function

protein binding;

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