

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

Gene Name	CTLA4 cytotoxic T-lymphocyte-associated protein 4 [Homo sapiens]
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Official Symbol	CTLA4
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Synonyms	CTLA4; CD; CD28; CD152; GSE; ICOS; GRD4; CTLA-4; IDDM12; CELIAC3
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Gene ID	1493
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mRNA Refseq	NM_001037631
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Protein Refseq	NP_001032720
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MIM	
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UniProt ID	P16410
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Chromosome Location	2q33
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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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