

CTLA4 recombinant protein

CTLA4, 36-161aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48812	HOST E Coli	APPLICATIONS SDS-Page
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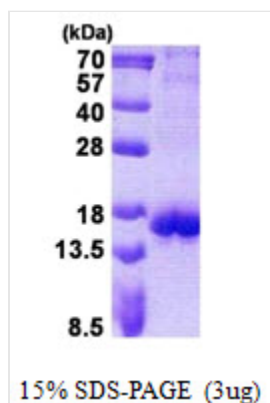
PRODUCT SYNONYMS

CTLA4; 36-161aa; Human; His tag; E Coli (Denatured); Cytotoxic T-lymphocyte protein 4 isoform CTLA4-TM precursor; CD; CD152; CELIAC3; GRD4; GSE; ICOS; IDDM12; CTLA4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSKAMHVAQ PAVVLASSRG IASFVCEYAS PGKATEVRVT VLRQADSQVT EVCAATYMMG NELTFLDDSI CTGTSSGNQV NLTIQGLRAM DTGLYICKVE LMYPPPYLG IGNGTQIYVI DPEPCPDSD
Sequence Length	223
Applicable Applications for CTLA4 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CTLA4 recombinant protein	CTLA4 is a member of the immunoglobulin superfamily and transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. Recombinant human CTLA4 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for CTLA4 recombinant protein	Immunology
References	Rudd CE, Taylor A, et al. (2009). Immunol Rev. 229 (1):12-26.; Stamper CC, Zhang Y, et al. (2001). Nature. 410 (6828):608-11.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361212
NCBI GeneID	1493
NCBI Accession #	NP_005205
NCBI GenBank Nucleotide #	NM_005214.4
UniProt Accession #	P16410; O95653; Q0PP65; Q52MC1; Q53TD5; Q5S005; Q8WXJ1; Q96P43; Q9UKN9; A0N1S0; E9PDH0
Molecular Weight	15.9 kDa (149aa)
NCBI Official Full Name	cytotoxic T-lymphocyte protein 4 isoform CTLA4-TM
NCBI Official Synonym Full Names	cytotoxic T-lymphocyte associated protein 4
NCBI Official Symbol	CTLA4
NCBI Official Synonym Symbols	CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3
NCBI Protein Information	cytotoxic T-lymphocyte protein 4
UniProt Protein Name	Cytotoxic T-lymphocyte protein 4
UniProt Gene Name	CTLA4
UniProt Synonym Gene Names	CD152; CTLA-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ctla4-recombinant-protein-e-coli-sds-page/48812>