

Recombinant human CTLA4-ECD

CAT No. UCC005
LOT No. A0033
0.1 mg/vial



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Product description

CTLA4 is a member of the immunoglobulin superfamily and encodes a protein which 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

Reference sequences: NM_005214

NP_005205

Swiss-prot P16410

Alternative names:

cytotoxic T-lymphocyte protein 4 isoform

CTLA4-TM

cytotoxic T-lymphocyte-associated serine esterase-4

cytotoxic T-lymphocyte-associated antigen 4

cytotoxic T-lymphocyte protein 4

ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4

cytotoxic T-lymphocyte antigen 4

CD152 isoform

cytotoxic T lymphocyte associated antigen 4 short spliced form 1493

Gene ID:

Residues 36-162 of human CTLA4, containing the extracellular domain - ECD -, were cloned, the protein was over-expressed in HEK293 cells and was purified to homogeneity. The calculated molecular weight of recombinant human CD40-ECD is 14.9 kDa and it contains an C-terminal hexahistidine tag. Each vial contains 100 µg CTLA4-ECD at a concentration of 1.0 mg/ml.

Sequence

marplctllllmatlagalagskamhvaqpavvlassrgiasfvceyaspgkatevrvtvlrqadsqvtevcaatymmgneltflddsictgtssgnqvnltiq
glramdtglyickvelmypppyylgigngtqiyvidpepcpdsdfaaa

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Storage and stability

Recombinant CTLA4--ECD should be stored at - 80 °C (stable for at least 1 year). The protein is stored in PBS. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

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