

Recombinant murine CTLA4-ECD



Catalog C006
Lot A0034
0.1 mg/vial

Life Sciences Incubator
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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

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|----------------------|---|
| Reference sequences: | NM_009843 NP_033973 Swiss-prot P9793 |
| 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 |
| Gene ID: | 12477 |

Residues 38-162 of murine 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 murine CD40-ECD is 15.1 kDa and it contains an C-terminal hexahistidine tag. Each vial contains 100 µg CD40-ECD at a concentration of 2.5 mg/ml.

Sequence

marplctlllmatlagalagsiqvtqpsvvlashgvasfpceyspshtndevrvtvlrqtndqmtevcattfteknvtvgfldypfcsgtfnesrvnlitiqglrav
dtglylckvelmypppyfvgmngntqiyvidpepcpsdfaaa

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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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