

# Recombinant human CTLA4-ECD



Catalog C005  
Lot A0033  
0.1 mg/vial

Life Sciences Incubator  
Yalelaan 62  
3584 CM Utrecht  
The Netherlands

## 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
Gene ID:	1493

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

marplctlllmatlagalagskamhvaqpavvllasrgiasfvceyaspgkatevrvtvlrqsdsqvtevcaatymmgneltfddsictgtssgnqvnltiq  
gramdgtglyickvelmypppyylgigngtqiyyidpepcpdsdfaaa

### hhhhh

\*

## 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).

## PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

U-Protein Express BV products contain chemicals which may be harmful if misused. Due care should be exercised with all U-Protein Express BV products to prevent direct human contact. All products are intended For Research Use Only and ARE NOT ALLOWED FOR USE IN HUMANS. Each U-Protein Express BV product is shipped with documentation stating specifications and other technical information. U-Protein Express BV products are warranted to meet or exceed the stated specifications. U-Protein Express BV's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. U-Protein Express BV makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO U-Protein Express BV PRODUCTS. In no event shall U-Protein Express BV be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of U-Protein Express BV products to perform in accordance with the stated specifications.

Version 11/2018

page 1