

# Recombinant Human CTLA4 Protein, Fc/His-tagged, FITC conjugated

**Cat. No.** CTLA4-2233HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | FITC conjugated recombinant human CTLA4 (NP_005205.2) extracellular domain (Met 1-Phe 162), fused with the polyhistidine-tagged Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 374                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | The recombinant human CTLA4/Fc is a disulfide-linked homodimer. The reduced monomer consists of 374 amino acids and has a predicted molecular mass of 41.6 kDa. As a result of glycosylation, the apparent molecular mass of rh CTLA4/Fc monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                       |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm                                                                                                                             |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | FITC                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | CTLA4 cytotoxic T-lymphocyte-associated protein 4 [ Homo sapiens ] |
| <b>Official Symbol</b> | CTLA4                                                              |
| <b>Gene ID</b>         | 1493                                                               |
| <b>mRNA Refseq</b>     | NM_001037631                                                       |
| <b>Protein Refseq</b>  | NP_001032720                                                       |
| <b>UniProt ID</b>      | P16410                                                             |

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