



## Recombinant Human CTLA-4 Fc-Fusion Protein (Abatacept)

Cat No: Pr00136

### Product Summary

**Description:** Recombinant human CTLA-4 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Human CTLA-4

**Fc domain:** Human IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Human

**Construct Design Note(s):** The extracellular domain of CTLA-4 has been fused to the Fc domain of human IgG1.

**Host:** HEK293

**UniProt Accession Number:** P16410

**Alternative Description:** Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152; CTLA-4-Ig; CTLA-4-Fc chimera; CTLA-4 (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28. The therapeutic antibody Ipilimumab competes for the binding site of the endogenous ligands CD80/B7-1, CD86/B7-2 and ICOSLG [Uniprot].

### Product Form

**Purification:** IMAC purified

**Supplied in:** 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage recommendation:** Recommended storage at 4°C for up to 1 month. For longer term storage store at -20°C or -80°C in appropriately sized aliquots.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

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**Fc-Fusion Sequence (monomer)**

MHVAQPAVVLASSRGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDDSICTGTSSGNQVNL  
TIQGLRAMDTGLYICKVELMYPPPYLGGINGTQIYVIDPEPCPDSDQEPKSSDKTHTSPPSPAPELLGGSSVFLFPPKP  
KDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV  
NKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGS  
FFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

**Calculated Molecular weight (dimer):** 132321.32 Da

**Extinction coefficient:** 161150 (calculation performed as described by Pace et al. (1995), PMID: 8563639).

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