

RP00343

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Recombinant Human CTLA-4/CD152 Protein

Catalog No.: RP00343

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	1493	P16410

Tags

C-6×His

Synonyms

CTLA4;ALPS5;CD;CD152;CELIAC3;CTLA-4;GRD4;GSE;IDDM12

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in 1X PBS.

Background

This protein 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 protein have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.

Basic Information

Description

Recombinant Human CTLA-4/CD152 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Lys36-Asp161) of human CTLA-4/CD152 (Accession #P16410) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

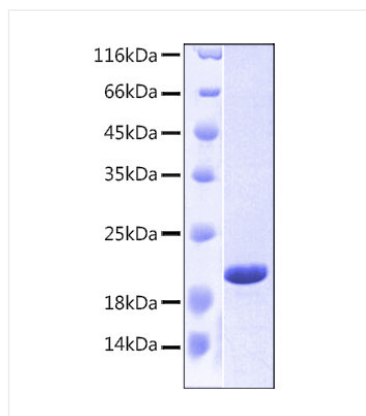
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human CTLA-4/CD152 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 20 kDa.