

RP00329

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Recombinant Human CD40 Ligand/CD154/CD40L/TNFSF5 Protein

Catalog No.: RP00329

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	959	P29965

Tags

No tag

Synonyms

CD154;CD40L;HIGM1;IGM;IMD3;T-BAM;TNFSF5;TRAP;gp39;hCD40L;CD40LG

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 20 mM PB, 200 mM NaCl, 0.1 mM EDTA, pH 7.0. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.

Basic Information

Description

Recombinant Human CD40 Ligand/CD154/CD40L/TNFSF5 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Met113-Leu261) of human CD40 Ligand/CD154/CD40L/TNFSF5 (Accession #P29965).

Bio-Activity

Measured in a cell proliferation assay using B cell-enriched peripheral blood mononuclear cells (PBMC) in the presence of IL-4. The ED₅₀ for this effect is 1-3 μg/mL in the presence of 20 ng/mL of recombinant human IL-4.

Storage

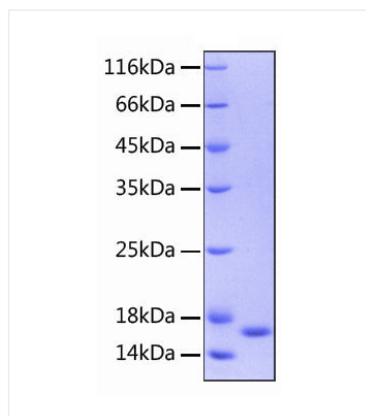
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human CD40 Ligand/CD154/CD40L/TNFSF5 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 16 kDa.