

Recombinant Human CD40 Ligand/CD154/CD40L/TNFSF5 Protein

Catalog No	RP00329	Category	Protein
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 ED ₅₀ for this effect is 1-3 µg/mL in the presence of 20 ng/mL of recombinant human IL-4.		

Sequence Information

Species	Human	Gene ID	959
Tags	No tag	Swiss Prot	P29965
Synonyms	CD154; CD40L; gp39; hCD40L; HIGM1; IGM; IMD3; T-BAM; TNFSF5; TRAP		
AA Sequence	MQKGDQNPQIAAHVISEASKTTSVLQWAEKGYTMSNNLVLTLENGQLTVKRQGLYYIY AQVTFCSNREASSQAPFIASLCLKSPGRFERILLRAANTHSSAKPCGQSQSIHLGGVFELQ PGASVFNVTDPQSQVSHGTGFTSFGLLKL		

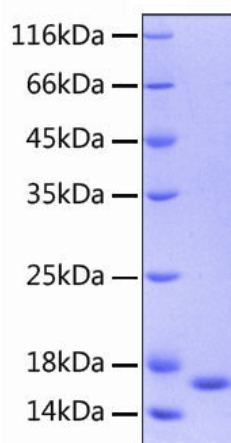
Product information

Source	Human cells
Purity	> 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.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
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.

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.

SDS-PAGE



Bioactivity