

Product datasheet for **TP723872**

CD40L (CD40LG) (NM_000074) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human CD40 ligand (CD40LG / TNFSF5)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Human CD40L, the region of Glu108-Leu261, from gene Accession# NM_000074.2
Tag:	N-His
Predicted MW:	19 kDa
Concentration:	lot specific
Purity:	>95%, as determined by Coomassie stained SDS-PAGE
Buffer:	1 x PBS
Bioactivity:	Human CD40L induced the proliferation of human B cells in the presence of IL-4 in a dose-dependent manner. The ED50 for this effect is 6 – 36 ng/mL.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_000065
Locus ID:	959
UniProt ID:	P29965
RefSeq Size:	1834
Cytogenetics:	Xq26.3
RefSeq ORF:	783
Synonyms:	CD40L; CD154; gp39; hCD40L; HIGM1; IGM; IMD3; T-BAM; TNFSF5; TRAP



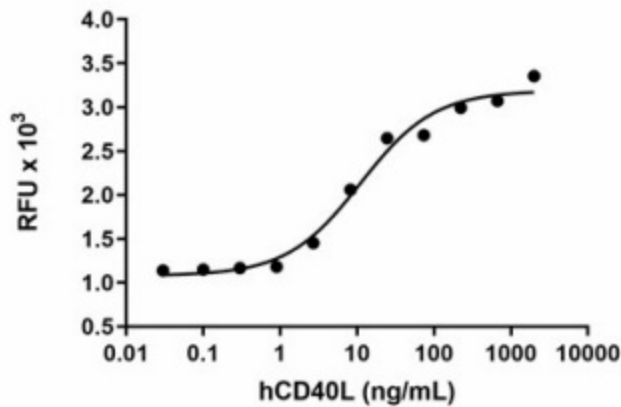
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Summary: The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Allograft rejection, Asthma, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Cytokine-cytokine receptor interaction, Primary immunodeficiency, Systemic lupus erythematosus, T cell receptor signaling pathway, Viral myocarditis

Product images:



Human CD40L, TP723872, induced the proliferation of human B cells in the presence of IL-4 in a dose-dependent manner. The ED50 for this effect is 6 – 36 ng/mL.