



CD40 Ligand Recombinant Protein

Cat. No.: 92-361

Ψ SPECIFICATIONS

SPECIES:	Human
SOURCE SPECIES:	Human Cells
SEQUENCE:	Met113-Leu261
FUSION TAG:	Tag Free
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.

Ψ PROPERTIES

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PREDICTED MOLECULAR WEIGHT:	16.2 kD
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 200mM NaCl, 0.1mM EDTA, pH 7.0. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH2O.
STORAGE CONDITIONS:	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Ψ ADDITIONAL INFO

ALTERNATE NAMES:	CD40 Ligand, CD40-L, T-Cell Antigen Gp39, TNF-Related Activation Protein, TRAP, Tumor Necrosis Factor Ligand Superfamily Member 5, CD154, CD40LG, CD40L, TNFSF5
ACCESSION NO.:	P29965
OFFICIAL SYMBOL:	CD40LG
GENE ID:	959

BACKGROUND AND REFERENCES

BACKGROUND:

CD40 Ligand (CD40LG) is a type II transmembrane glycoprotein that belongs to the TNF superfamily. Like other TNF superfamily members, CD40LG exists as a trimer in membrane bound and soluble form, both of which are bioactive. CD40LG is a ligand for CD40; its ligation also initiates signal transduction in CD40LG expressing cells. CD40LG is a differentiation antigen that is expressed on the surface of T-cells. It stimulates B-cell proliferation and secretion of all immunoglobulin isotypes in the presence of cytokines. CD40LG has been shown to induce cytokine production and tumoricidal activity in peripheral blood monocytes. It also co-stimulates proliferation of activated T-cells and this is accompanied by the production of IFN-gamma, TNF-alpha, and IL2.

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