Active Recombinant Human CD40LG Protein (116-261), N-FLAG tagged

Cat. No. CD40LG-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD40L (aa 116-261) fused at the N-terminus to mouse ACRP30headless (aa 18-111) and a FLAG®-tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	116-261
Description	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.
Form	Lyophilized
Bio-activity	Induces B cells activation (as demonstrated by dose-dependent upregulation of CD86) (ED50: < 1 ng/mL). B cell expansion online protocol available.
Molecular Mass	~35-40 kDa (SDS-PAGE)
Endotoxin	< 0.01 EU/μg purified protein (LAL test, Lonza).
Purity	≥95 % (SDS-PAGE)

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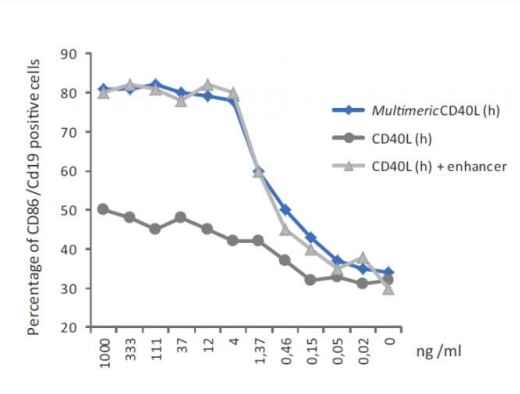
Stability	Stable for at least 6 months after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Storage	Short Term Storage: +4 centigrade Long Term Storage: -20 centigrade
Concentration	0.1 mg/mL after reconstitution.
Storage Buffer	Contains PBS
Reconstitution	Reconstitute with 100 µL sterile water.
Handling	After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1 % BSA should be used for further dilutions.
Shipping	BLUE ICE

GENE INFORMATION

Gene Name	CD40LG CD40 ligand [Homo sapiens (human)]
Official Symbol	CD40LG
Synonyms	CD40LG; CD40 ligand; IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L; CD40 ligand; CD40 antigen ligand; CD40-L; T-B cell-activating molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5
Gene ID	959

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mRNA Refseq	NM_000074
Protein Refseq	NP_000065
MIM	300386
UniProt ID	P29965



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