Active Recombinant Human CD40LG, HIgG1 Fc-tagged

Cat. No. CD40LG-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CD40L (NP_000065.1) (Met113-Leu261) is fused to the N-terminus of the Fc portion of human IgG1was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	113-261 a.a.
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 from 0.2μm-filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay using enriched human B cells in the presence of IL-4.
Molecular Mass	46 KDa (monomer)
AA Sequence	Met113-Leu261
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	CD40LG CD40 ligand [Homo sapiens]
Official Symbol	CD40LG
Synonyms	CD40LG; CD40 ligand; HIGM1, IMD3, TNFSF5, tumor necrosis factor (ligand) superfamily, member 5 (hyper IgM syndrome); CD40 antigen ligand; CD40L; CD154; gp39; hCD40L; hyper IgM syndrome; T B cell activating molecule; TNF related activation protein; TRAP; tumor necrosis factor (ligand) superfamily member 5; CD40-L; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; IGM; IMD3; HIGM1; T-BAM; TNFSF5;
Gene ID	959
mRNA Refseq	NM_000074
Protein Refseq	NP_000065
MIM	300386
UniProt ID	P29965

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Chromosome Location	Xq26
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem;
Function	CD40 receptor binding; cytokine activity; tumor necrosis factor receptor binding;

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