

Recombinant Human CD40LG, His-tagged

Cat. No. CD40LG-27811TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length soluble Human CD40LG with an N terminal His tag; 169 amino acids including tag, predicted MWt: 18.3kDa.
Species	Human
Source	E.coli
ProteinLength	149 amino acids
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.
Conjugation	HIS
Molecular Weight	18.300kDa inclusive of tags
Tissue specificity	Specifically expressed on activated CD4+ T-lymphocytes.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 40% Glycerol, 0.2M Sodium chloride, 20mM Tris

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	HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYT MSNNLVTLENGKQLTVKRQGLYYIYAQVTFCSNREASSQAPFIASLCLKSPGRFERIL LRAANTHSSAKPCGQQSIHLGGVFELQPGASVFNVTDPSSQVSHGTGFTSFGLLKL
Sequence Similarities	Belongs to the tumor necrosis factor family.
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;
Gene ID	959
mRNA Refseq	NM_000074
Protein Refseq	NP_000065
MIM	300386

Uniprot ID	P29965
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;
Function	CD40 receptor binding; cytokine activity; tumor necrosis factor receptor binding;

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