

Active Recombinant Human/Cynomolgus/Rhesus macaque CD40LG protein, Fc-tagged

Cat. No. CD40LG-279H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human/Cynomolgus/Rhesus macaque CD40LG protein is expressed from HEK293 with monomeric hFc tag at the N-Terminus. It contains Met113-Leu261 trimer design [Accession P29965(Human) / G7Q1T4(Cynomolgus) / P63304(Rhesus macaque)].
Species	Human/Cynomolgus/Rhesus macaque
Source	HEK293
ProteinLength	113-261 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human CD40, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human/Cynomolgus/Rhesus macaque CD40 Ligand (Trimer), hFc Tag with the EC50 of 29.8ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 74.9 kDa. Due to glycosylation, the protein migrates to 75-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

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Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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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