

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

Cat. No. CD40LG-11H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant human CD40L (aa 116-261) fused at the N-terminus to mouse ACRP30headless (aa 18-111) and a FLAG-tag and Biotin labeled 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). |
| Molecular Mass | ~35-40 kDa (SDS-PAGE) |
| Endotoxin | < 0.01 EU/μg purified protein (LAL test, Lonza). |

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|-----------------------|---|
| Purity | ≥95 % (SDS-PAGE) |
| 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 |
| Conjugation | Biotin |

GENE INFORMATION

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|------------------------|---|
| 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 |

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molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5

Gene ID 959

mRNA Refseq NM_000074

Protein Refseq NP_000065

MIM 300386

UniProt ID P29965

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