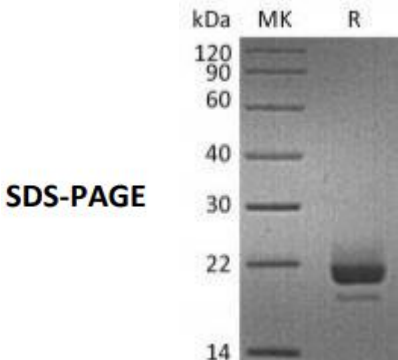


## Recombinant Human CD40L

Catalog#:P00706    Derived from Human Cells

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| <b>DESCRIPTION</b>   | <p>Recombinant Human CD40 Ligand is produced by our Mammalian expression system and the target gene encoding Glu108- Leu261 is expressed with a 6His tag at the N-terminus.</p> <p><b>Accession#:</b> P29965</p> <p><b>Known as:</b> CD40 Ligand; CD40- L; T-Cell Antigen Gp39; TNF- Related Activation Protein; TRAP; Tumor Necrosis Factor Ligand Superfamily Member 5; CD154; CD40LG; CD40L; TNFSF5; TRAP</p>   |
| <b>FORMULATION</b>   | Lyophilized from a 0.2 µm filtered solution of PBS, 1mM EDTA, pH 7.4.  |
| <b>SHIPPING</b>  | <p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>   |
| <b>STORAGE</b>   | <p>Lyophilized protein should be stored at &lt;-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>  |
| <b>RECONSTITUTION</b>  | <p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>   |
| <b>QUALITY CONTROL</b>   | <p><b>Mol Mass:</b> 19.1kDa    <b>AP Mol Mass:</b> 19-22kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>   |
| <b>BACKGROUND</b>  | <p>CD40 Ligand (CD40LG) is a type II transmembrane glycoprotein that belongs to the TNF superfamily. Like other TNF superfamily members, CD40LG exists as a trimer in membrane bound and soluble form, both of which are bioactive. CD40LG is a ligand for CD40; its ligation also initiates signal transduction in CD40LG expressing cells. CD40LG is a differentiation antigen that is expressed on the surface of T-cells. It stimulates B-cell proliferation and secretion of all immunoglobulin isotypes in the presence of cytokines. CD40LG has been shown to induce cytokine production and tumoricidal activity in peripheral blood monocytes. It also co-stimulates proliferation of activated T-cells and this is accompanied by the production of IFN-gamma, TNF-alpha, and IL2.</p> |
|  <p style="text-align: center;"><b>SDS-PAGE</b></p> |  |