

# Product information

## CD40 ligand, 112-260aa

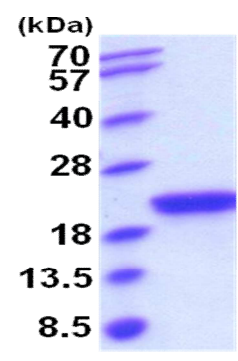
Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3200

NCBI Accession No.: NP\_035746

**Synonyms:** CD40lg, CD154, CD40-L, Cd40l, gp39, HIGM1, IGM, IMD3, Ly-62, Ly62, T-BAM, Tnfsf5, TRAP

**Description:** CD40LG, also known as CD40 ligand, belongs to the tumor necrosis factor family. This protein binds to TNFRSF5. CD40LG mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. CD40 ligand dysregulation on T cells and antigen presenting cells contributes to the immune deficiency associated with HIV infection and AIDS. Recombinant mouse CD40LG, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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| <p><b>Form:</b> Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p><b>Molecular Weight:</b> 17.2kDa (155aa)<br/>18-28KDa (SDS-PAGE under reducing conditions.)</p> <p><b>Purity:</b> &gt; 95% by SDS – PAGE.</p> <p><b>Concentration:</b> 0.25mg/ml (determined by Absorbance at 280nm)</p> <p><b>Endotoxin Level:</b> &lt; 1.0 EU per 1µg of protein (determined by LAL method)</p> |  <p>15% SDS-PAGE (3ug)</p> |
| <p><b>Sequences of amino acids:</b></p> <p>MQRGDEDPQI AAHVSEANS NAASVLQWAK KGYTMTKSNL VMLNGKQLT VKREGLYVYV TQVTFCSNRE PSSQRPFIVG LWLKPSSGSE<br/>RILLKAANTH SSSQLCEQQS VHLGGVFELQ AGASVFVNVV EASQVHRVG FSSFGLLKLH <u>HHHHH</u></p>   |  |

### General references:

Price JD *et al.*, (2014) *J. Leukoc. Biol.* 95(2):325-336.

Williams JA *et al.*, (2014) *J. Immunol.* 192(2):630-640.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:  
Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA  
Phone: (888) 523-1246 Fax.: (763) 780-2988  
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)