

## Recombinant Zebrafish cd40lg Protein, His-tagged

**Cat. No.** cd40lg-681Z    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Zebrafish cd40lg Protein (Ala121-Leu260) with His tag was expressed in E. coli.  |
| <b>Species</b>          | Zebrafish  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Ala121-Leu260  |
| <b>Description</b>      | Enables CD40 receptor binding activity. Acts upstream of or within positive regulation of immunoglobulin production. Located in external side of plasma membrane. Is expressed in gill; integument; liver; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; artery disease (multiple); autoimmune disease (multiple); combined T cell and B cell immunodeficiency (multiple); and hematologic cancer (multiple). Orthologous to human CD40LG (CD40 ligand). |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 20 kDa; Accurate Molecular Mass: 20 kDa  |
| <b>Purity</b>           | > 97%  |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.   |

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|                       |  |
|-----------------------|--|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.  |
| <b>Reconstitution</b> | Reconstitute in PBS or others.   |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | <a href="#">cd40lg CD40 ligand [ Danio rerio (zebrafish) ]</a>   |
| <b>Official Symbol</b> | <a href="#">cd40lg</a>   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | <a href="#">793819</a>   |
| <b>mRNA Refseq</b>     | <a href="#">NM_001144809</a>   |
| <b>Protein Refseq</b>  | <a href="#">NP_001138281</a>   |

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