

# Active Recombinant Mouse Cd27l Protein, His-Tagged

**Cat. No.** Cd27l-01M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mouse Cd27l Protein, His-tagged was expressed in E. coli cell                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | CD27 Ligand, which belongs to the TNF superfamily, is a type II transmembrane protein. Like NK cells, CD27L is also located in activated T and B lymphocytes. Along with NK enhancement, CD27L and its receptor regulate the immune response by raising expansion and differentiation of T cell. CD27 signaling can act like a co-stimulatory effector to sustain survival of the CD8+ T cells, mainly by increasing expression of the IL-2 gene. |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | <p>QQQRLLEHPEPHTAELQLNLTVPKDPTRLRWGAGPALGRSFTHGPELEEGHLRIHQ</p> <p>DGLYRLHIQVTLANCSSPGSTLQHRATLAVGICSPA</p> <p>AHGISLLRGRFGQDCTVALQRLTYLVHGDVLCNTLPLPSRNADETFFGVQWICP</p> <p>with polyhistidine tag at the N-terminus</p>                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | <0.1 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Bio-activity</b>     | Measure by its ability to induce proliferation in mouse T cells in the presence of the anti-CD3 antibody. The ED50 for this effect is <4.5 µg/mL.                                                                                                                                                                                                                                                                                                 |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >98% as determined by SDS-PAGE. Ni-NTA chromatography                                                                                                                                                      |
| <b>Storage Buffer</b> | The protein was lyophilized from a solution containing 1X PBS, pH 7.4.                                                                                                                                     |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| <b>Storage</b>        | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.                                                                                   |
| <b>Notes</b>          | Please use within one month after protein reconstitution.                                                                                                                                                  |

## GENE INFORMATION

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Gene Name</b>       | Cd70 CD70 antigen [ <i>Mus musculus</i> (house mouse) ] |
| <b>Official Symbol</b> | Cd27l                                                   |
| <b>Synonyms</b>        | Cd70; CD27LG; Tnfsf7; Tnlg8a                            |
| <b>Gene ID</b>         | 21948                                                   |
| <b>mRNA Refseq</b>     | NM_011617.2                                             |
| <b>Protein Refseq</b>  | NP_035747.1                                             |
| <b>UniProt ID</b>      | O55237                                                  |

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