## PRODUCT INFORMATION

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| **Target** | 4-1BB Ligand |
| **Synonyms** | Tnfsf9 |
| **Description** | Recombinant mouse 4-1BB Ligand protein with N-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P41274 |
| **Expression Host** | HEK293 |
| **Tag** | N-Human Fc Tag |
| **Molecular Characterization** | hFc(Glu99-Ala330) Mouse 4-1BB Ligand(Arg104-Glu309) |
| **Molecular Weight** | The protein has a predicted molecular mass of 49.1 kDa after removal of the signal peptide. The apparent molecular mass of hFc-m4-1BB Ligand is approximately 55-70 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | Cytokine that binds to TNFRSF9. Induces the proliferation of activated peripheral blood T-cells. May have a role in activation-induced cell death (AICD). May play a role in cognate interactions between T-cells and B-cells/macrophages.[UniProtKB/Swiss-Prot Function] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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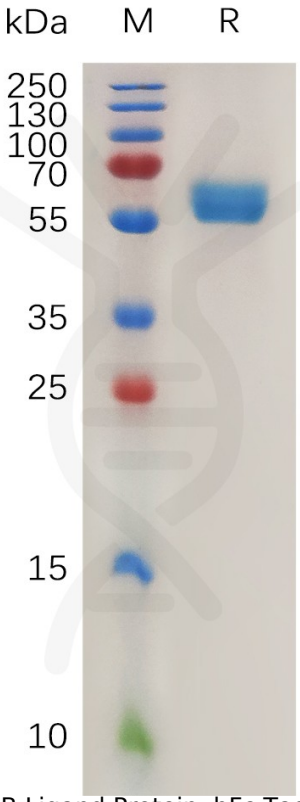



Figure 1. Mouse 4-1BB Ligand Protein, hFc Tag on SDS-PAGE under reducing condition.

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