

# Recombinant Cynomolgus TNFSF9 Protein, N-hFc-tagged, Biotinylated

## Product Information

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| <b>Cat</b>                  | IMP-1569   |
| <b>Official Symbol</b>      | TNFSF9   |
| <b>Product Overview</b>     | Recombinant cynomolgus TNFSF9 (XP_015296398.1) (Arg68-Glu251) was expressed with the Fc region of human IgG1 at the N-terminus. The purified protein was biotinylated in vitro.  |
| <b>Description</b>          | 4-1BB ligand is the high affinity ligand of 4-1BB, also known as CD137L or TNFSF9. It is shown to be a type II surface glycoprotein belonging to the TNF superfamily. Expression of 4-1BBL is restricted to APCs, such as dendritic cells, macrophages, and activated B cells. Members of the TNF-TNF receptor superfamily have been shown to play critical roles in regulating cellular activation, differentiation and apoptosis. Several studies have reported that 4-1BBL/4-1BB interaction provided a co-stimulatory signal to T cells, and increased T cell proliferation and cytokines production. In addition, 4-1BBL is involved in cancers, infectious diseases and autoimmune diseases. |
| <b>Expression System</b>    | HEK293   |
| <b>Species</b>              | Cynomolgus   |
| <b>Tag</b>                  | N-hFc  |
| <b>Predicted N Terminal</b> | Glu  |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.  |
| <b>Molecular Mass</b>       | The recombinant cynomolgus TNFSF9 consists of 445 amino acids and predicts a molecular mass of 47.8 kDa.   |
| <b>Protein length</b>       | Arg68-Glu251   |
| <b>Endotoxin</b>            | < 1.0 EU/μg protein as determined by the LAL method.   |
| <b>Purity</b>               | > 95 % as determined by SDS-PAGE   |
| <b>Storage</b>              | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  |
| <b>Reconstitution</b>       | A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.  |

**SDS-PAGE**

