

PRODUCT INFORMATION

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| Target | GITR Ligand |
| Synonyms | Tnfsf18 |
| Description | Recombinant mouse GITR Ligand protein with N-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q7TS55 |
| Expression Host | HEK293 |
| Tag | N-Human Fc Tag |
| Molecular Characterization | hFc(Glu99-Ala330) Mouse GITR Ligand(Thr47-Ser173) |
| Molecular Weight | The protein has a predicted molecular mass of 40.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-mGITRL is approximately 40-55 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. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| Background | Cytokine that binds to TNFRSF18/AITR/GITR (PubMed:14521928, PubMed:14647196). Regulates T-cell responses (PubMed:14647196). Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation (PubMed:14608036, PubMed:15128759). Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B (PubMed:14521928, PubMed:14647196, PubMed:18178614). Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1 (By similarity). Promotes leukocyte adhesion to endothelial cells (PubMed:23892569). Regulates migration of monocytes from the splenic reservoir to sites of inflammation (PubMed:24107315).[UniProtKB/Swiss-Prot Function] |
| Usage | Research use only |
| Conjugate | Unconjugated |



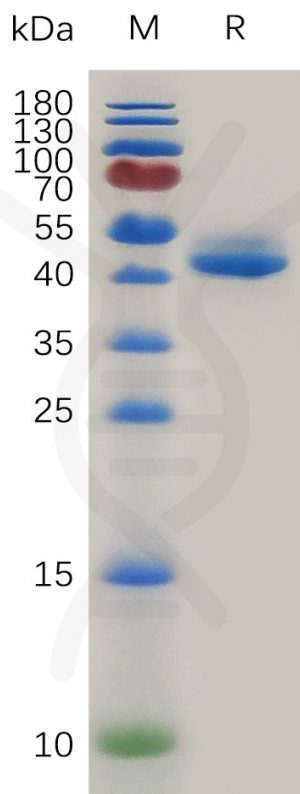


Figure 1. Mouse GITR Ligand Protein, hFc Tag on SDS-PAGE under reducing condition.

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