

Recombinant Cynomolgus TNFRSF18 Protein (Met1-Glu155), His-tagged

Cat. No. TNFRSF18-1019C **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Cynomolgus TNFRSF18 Protein (XP_005545180.1) (Met1-Glu155) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus. |
| Species | Cynomolgus |
| Source | HEK293 |
| ProteinLength | Met1-Glu155 |
| Description | GITR, also known as TNFRSF18(CD357), belongs to the tumor necrosis factor receptor (TNF-R) superfamily. It is the receptor for TNFSF18. GITR plays a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. GITR may be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR and its ligand are important costimulatory molecules in the pathogenesis of autoimmune diseases. It also mediates NF-kappa-B activation via the TRAF2/NIK pathway. |
| Predicted N Terminal | Gln 20 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |

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| Molecular Mass | The recombinant Cynomolgus TNFRSF18 consists of 147 amino acids and predicts a molecular mass of 16.1 kDa. |
| Endotoxin | < 1.0 EU per µg protein as determined by the LAL method. |
| Purity | > 95 % as determined by SDS-PAGE. |
| Stability | Samples are stable for up to twelve months from date of receipt at -70 centigrade. |
| Storage | Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| Shipping | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | TNFRSF18 TNF receptor superfamily member 18 [<i>Macaca fascicularis</i> (crab-eating macaque)] |
| Official Symbol | TNFRSF18 |
| Gene ID | 102146362 |
| mRNA Refseq | XM_005545123 |

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Protein Refseq

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