

**Recombinant Human GITR Ligand/TNFSF18 Protein(C-6His)**

**Cat.NO.: TP05537**

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3th Edition

**Synonyms:**Tumor necrosis factor ligand superfamily member 18;TNFSF18;Activation-inducible TNF-related ligand;Glucocorticoid-induced TNF-related ligand;AITRL; GITRL; TL6

**Description:**TNFSF18 is a single-pass type II membrane protein. It is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. TNFSF18 cytokine binds to TNFRSF18/AITR/GITR. It regulates T-cell responses, and functions as costimulator and lower the threshold for T-cell activation and T-cell proliferation. It is Important for interactions between activated T-lymphocytes and endothelial cells and Promotes leukocyte adhesion to endothelial cells. TNFSF18 mediates activation of NF-kappa-B. As Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1. It also regulates migration of monocytes from the splenic reservoir to sites of inflammation.

**Form:**PBS

**Molecular Weight:**15.3 kDa

**Sequences:**Glu74-Ser199

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.