Recombinant Human TNFSF18, FLAG-tagged

Cat. No. TNFSF18-277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human GITRL (aa 50-177) is fused at the N-terminus to a FLAG-tag.
Species	Human
Source	HEK293
ProteinLength	50-177 a.a.
Description	GITRL (Glucocorticoid-induced TNF receptor ligand) is expressed on dendritic cells (DC), monocytes, macrophages, B cells, activated T cells, endothelial cells, osteoclasts and various healthy non-lymphoid tissues (e.g. testis). GITRL is constitutively expressed and released as soluble form by solid tumors and various hematopoietic malignancies. GITRL causes differentiation of osteoclasts, activation of macrophages, but also alteration of carcinoma and leukemia cells and influences apoptosis. Binding to GITR is important in regulating T cell proliferation and TCR-mediated apoptosis. GITRL is implicated in development of autoimmune diseases and in the immune response against infectious pathogens and tumors.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Molecular Mass	~22kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	TNFSF18 tumor necrosis factor (ligand) superfamily, member 18 [Homo sapiens]
Official Symbol	TNFSF18
Synonyms	TNFSF18; tumor necrosis factor (ligand) superfamily, member 18; tumor necrosis factor ligand superfamily member 18; AITRL; hGITRL; TL6; AITR ligand; GITR ligand; activation-inducible TNF-related ligand; glucocorticoid-induced TNF-related ligand; glucocorticoid-induced TNFR-related protein ligand; GITRL; MGC138237;
Gene ID	8995
mRNA Refseq	NM_005092
Protein Refseq	NP_005083
MIM	603898
UniProt ID	Q9UNG2
Chromosome Location	1q23
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	cytokine activity; receptor binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA