

Active Recombinant Human TNFRSF18

Cat. No. TNFRSF18-925H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human soluble AITRL is a 14.3 kDa protein, containing 126 amino acid residues corresponding to the extracellular domain of AITRL.
Species	Human
Source	E.coli
Description	This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Form	lyophilized
Bio-activity	Determined by its ability to stimulate IL-8 production by human PBMC using a concentration range of 1.0-10.0 ng/ml. Please Note: Results may vary with PBMC donors.
Molecular Mass	14.3 kDa
AA Sequence	ETAKEPCMAK FGPLPSKWQM ASSEPPCVNK VSDWKLEILQ NGLYLI YGQV APNANYNDVA PFEVRLYKNK DMIQTLTNKS KIQNVGGTYE L HVGDTIDLI

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	FNSEHQVLKN NTYWGIILLA NPQFI
Endotoxin	< 0.1 ng per g of AITRL
Purity	>97% by SDS-PAGE gel and HPLC analyses.
Usage	Human AITRL offered for research use. Not for drug use. Not for human use.
Stability	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted Human AITRL should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.
Reconstitution	The human AITRL should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.

GENE INFORMATION

Gene Name	TNFRSF18 tumor necrosis factor receptor superfamily, member 18 [Homo sapiens (human)]
Official Symbol	TNFRSF18
Synonyms	Osteostat; TNFSF18; Tumor necrosis factor ligand superfamily member 18; GITRL; TL6; AITRL; hGITRL; MGC138237; AITR ligand; Activation-inducible TNF-related ligand; GITR ligand; Activation-induced TNFR member Ligand; Glucocorticoid-induced TNF-related ligand; Glucocorticoid-induced TNFR-related protein ligand
Gene ID	8995
mRNA Refseq	NM_005092

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Protein Refseq	NP_005083
MIM	603898
UniProt ID	Q9UNG2
Chromosome Location	1q23
Pathway	Cytokine-cytokine receptor interaction; Downstream signaling in naive CD8+ T cells
Function	tumor necrosis factor-activated receptor activity

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