

AITRL, Human Recombinant

CATALOG #:	7113-10	10 µg
	7113-50	50 µg
ALTERNATE NAMES:	Activation-induced TNFR member Ligand, TNFSF18, GITRL, TL-6	
SOURCE:	E.coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	14.4 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Tris, pH 8.0.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION:

AITRL, a member of the TNF superfamily, is expressed in endothelial cells, and signals through the AITR receptor. AITRL regulates T-cell proliferation and survival, and effectuates the interaction between T lymphocytes and endothelial cells. The AITRL gene codes for a type II transmembrane protein comprised of 177 amino acids, including a 28 amino acid cytoplasmic region, a 21 amino acid transmembrane domain and a 128 amino acid extracellular domain. Recombinant human soluble AITRL is a 14.4 kDa protein, containing 127 amino acid residues corresponding to the extracellular domain of AITRL.

BIOLOGICAL ACTIVITY:

Determined by its ability to stimulate IL-8 production by human PBMC using a concentration range of 1.0-10.0 ng/ml. Note: Results may vary with PBMC donors.

AMINO ACID SEQUENCE:

METAKEPCMA KFGPLPSKWQ MASSEPPCVN KVSDWKLEIL QNGLYLIYGQ
VAPNANYNDV APFEVRLYKN KDMIQTLTNK SKIQNVGGTY ELHVGDTIDL
IFNSEHQVLK NNTYWGIIILL ANPQFIS

RELATED PRODUCTS:

- Human Cell^{exp} Human Recombinant TNF-alpha (Cat # 6482-10, -50)
- TNF-alpha, human recombinant (Cat. No. 1050-10, -50, -1000)
- TNF-alpha, murine recombinant (Cat. No. 1051-10, -50, -1000)
- TNF-alpha, rat recombinant (Cat. No. 1052-10, -50, -1000)
- TNF-alpha Antibody (Cat. No. 3052R-100)
- TNF-alpha Antibody (Cat. No. 3053R-100)
- TNF-alpha Antibody (Cat. No. 3054-100)

FOR RESEARCH USE ONLY! Not to be used in humans.