



Recombinant Human AITRL

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-122S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	8995
Synonyms:	TNFSF18; TL6; AITRL; GITRL; hGITRL

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 14.3 kDa protein, containing 126 amino acid residues corresponding to the extracellular domain of AITRL.

Sequence

ETAKEPCMAKFGPLPSKWQMASSEPPCVNKVSDWKLEILQNGLYLIYGQVAP
NANYNDVAFPEVRLYKKNKDMIQTLTNKSQIQNVGGTYELHVGDTIDLI FNSE
HQVLKNNNTYWGII LLANPQFI

Database References

Protein RefSeq:	NP_005083.2
Uniprot ID:	Q9UNG2
mRNA RefSeq:	NM_005092.3

Product Specifications

Expressed in	E. coli
Purity	> 97% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	126
MW:	14.3 kDa

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. Please Note: Results may vary with PBMC donors.



AVOID REPEATED FREEZE AND THAW CYCLES!