



## Recombinant Human AITRL

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-122</b>
Size:	20 µg
Lot. No.:	According to product label

### Scientific Background

<b>Gene-ID (NCBI):</b>	8995
<b>Synonyms:</b>	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  
NANYNDVAFPEVRLYKKNKDMIQTLTNKSKIQNVGGTYELHVGDITDLIFNSE  
HQVLKNNITYWGIILLANPQFI

### Database References

<b>Protein RefSeq:</b>	NP_005083.2
<b>Uniprot ID:</b>	Q9UNG2
<b>mRNA RefSeq:</b>	NM_005092.3

### Product Specifications

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