

AITRL, Human recombinant protein
Activation-induced TNFR member Ligand, TNFSF18, GITRL, TL-6
Catalog # PBV10748r

Specification

AITRL, Human recombinant protein - Product info

Primary Accession [O9UNG2](#)
Calculated MW **14.4 kDa** KDa

AITRL, Human recombinant protein - Additional Info

Gene ID	8995
Gene Symbol	TNFSF18
Other Names	
Activation-induced TNFR member Ligand, TNFSF18, GITRL, TL-6	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	METAKEPCMA KFGPLPSKWQ MASSEPPCVN KVSDWKLEIL QNGLYLIYGQ VAPNANYNDV APFEVRLYKN KDMIQTLTNK SKIQNVGGTY ELHVGDTIDL IFNSEHQVLK NNTYWGIILL ANPQFIS

Target/Specificity
AITRL

Application Notes

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.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Tris, pH 8.0.

AITRL, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AITRL, Human recombinant protein - Images**AITRL, Human recombinant protein - Background**

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.

AITRL, Human recombinant protein - References

Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Clark H.F., et al. Genome Res. 13:2265-2270(2003).
Gurney A.L., et al. Curr. Biol. 9:215-218(1999).