

## Product datasheet for **TP728145L**

### Recombinant AITRL (Activation-induced TNFR member ligand), Human

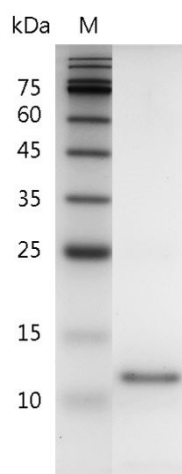
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant AITRL (Activation-induced TNFR member ligand), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MQLETAKEPCMAKFGPLPSKWQMASSEPPCVNKVSDWKLEILQNGLYLIYGQVAPNANYNDVAPFEVRL YKNKDMIQTLTNKSKIQNVGGTYELHVGDTIDLIFNSEHQVLKNNTYWGII LIANPQEI with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 15.34 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to induce IL-8 secretion in human PBMC using a concentration range of 5-200 ng /mL. Note: Result may vary from different PBMC donors.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	<u><a href="#">Q9UNG2</a></u>
Synonyms:	TL6, GITRL, TNLG2A, hGITRL, TNFSF18


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**Summary:**

AITRL also known as TNFSF18, GITRL and TL6, belonging to TNF superfamily. AITRL is a 20.3 kDa protein containing 177 residues that implicates in regulating immune systems. AITRL contributes to tumor suppression and the development of autoimmune diseases via interacting with TNFRSF18/AITR/GITR. Besides, AITRL-GITR signaling has been demonstrated to enhance phosphorylation of STAT1 and up-regulate expression of VCAM1 and ICAM1 in endothelial cells. Furthermore, AITRL can also facilitate the adhesion and transmigration of leukocytes to endothelial cells.

**Product images:**


SDS- PAGE analysis of recombinant human AITRL