

**Recombinant Human Activation-induced TNFR
member Ligand/TNFSF18
(rHuAITR Ligand/TNFSF18)
PrimeGene Technical Data Sheet**

Catalog Number:	103-25
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 14.3 kDa, a single non-glycosylated polypeptide chain containing 126 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	ETAKEPCMAK FGPLPSKWQM ASSEPPCVNK VSDWKLEILQ NGLYLIYGQV APNANYNDVA PFEVRLYKNK DMIQTLTNKS KIQNVGGTYE LHVGDITDLI FNSEHQVLKN NTYWGILLA NPQFIS
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity as determined by stimulation of IL-8 production using human PBMC is in a concentration range of 0.1-10 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 0.1 EU/µg of rHuAITR Ligand/TNFSF18 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human Activation-induced TNFR member Ligand/TNFSF18

TNFSF18, also named as AITRL, is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family and it is encoded by the TNFSF18 gene. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. It is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells. Recombinant human TNFSF18 is a 14.3 kDa protein, containing 126 amino acid residues and it shares 56 % and 60 % a.a. sequence identity with murine and rat TNFSF18, respectively.