

Recombinant Human AITR Ligand/TNFSF18 Protein

Product Information

Product Name	Cat#	Size
Recombinant Human AITR Ligand/TNFSF18 Protein	90617ES08	5µg
	90617ES20	20µg
	90617ES50	50µg
	90617ES60	100µg
	90617ES76	500µg

Product Description

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.

Product Properties

Synonyms	Human Endostatin
Accession	Q9UNG2
GeneID	8995
Source	E.coli-derived Human AITR Ligand protein, Glu74-Leu251.
Molecular Weight	Approximately 14.3 kDa.
AA Sequence	ETAKEPCMAK FGPLPSKWQM ASSEPPCVNK VSDWKLEILQ NGLYLIYGQV APNANYNDVA PFEVRLYKNK DMIQTLTNKS KIQNVGGTYE LHVGDITDIL FNSEHQVLKN NTYWGIIILA NPQFIS
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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 and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.