Bioactive

TNFSF18 (Human) Recombinant Protein

Catalog # P7357 Size 10 ug

Specification

Product Description	Human TNFSF18 (Q9UNG2, 74 a.a. - 198 a.a) partial recombinant protein expressed in *Escherichia coli*.
Sequence	MSEPPCVNKVSDWKLEILQNGLYLIYGQVAPNANYNDVAPFEVRLYKNKDMIQTLTNKSKIQNVGG TYELHVGDTIDLIFNSEHQVLKNNTYWGIILLANPQFIS
Host	Escherichia coli
Theoretical MW (kDa)	14.3
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED_{50} < 5.0 ng/mL, measured by the amount of Interleukin-8 produced by PMBC, corresponding to a specific activity of > 2.0×10^5 units/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 50 mM Tris, pH 8.0. Reconstitute the lyophilized powder in ddH_2O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — TNFSF18

Entrez GeneID	8995
Protein Accession#	Q9UNG2
Gene Name	TNFSF18
Gene Alias	AITRL, GITRL, MGC138237, TL6, hGITRL
Gene Description	tumor necrosis factor (ligand) superfamily, member 18
Omim ID	603898
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) lig and family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to mo dulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in e ndothelial cells, and is thought to be important for interaction between T lymphocytes and endothel ial cells. [provided by RefSeq
Other Designations	AITR ligand|GITR ligand|glucocorticoid-induced TNFR-related protein ligand

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Birth Weight
- Cardiovascular Diseases
- Crohn Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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- Glioblastoma
- Glioma
- Hematologic Diseases
- Hepatitis C
- Hodgkin Disease
- Inflammatory Bowel Diseases
- Leukemia
- Lymphoproliferative Disorders
- Meningeal Neoplasms
- Meningioma
- Multiple Myeloma
- Occupational Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome

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