

Recombinant human GITR Ligand/TNFSF18 protein

Catalog Number: ATGP1249

PRODUCT INFORMATION

Expression system

E.coli

Domain

72-199aa

UniProt No.

Q9UNG2

NCBI Accession No.

NP_005083

Alternative Names

Activation-inducible TNF-related ligand, AITRL, GITRL, Glucocorticoid-induced TNF-related ligand, hGITRL, TL6, TNF superfamily member 18, Tumor necrosis factor (ligand) superfamily member 18

PRODUCT SPECIFICATION

Molecular Weight

14.6 kDa (129aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 1mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

TNFSF18, also known as GITRL, belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It is important for interactions between activated T-lymphocytes and endothelial cells and may modulate T-lymphocyte survival in peripheral tissues. This cytokine 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 protein was expressed in E. coli and purified by conventional

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chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

MQLETAKEPC MAKFGPLPSK WQMASSEPPC VNKVSDWKLE ILQNGLYLIY GQVAPNANYN DVAPFEVRLY KNKDMIQTLT
NKSKIQNVGG TYELHVGDTI DLIFNSEHQV LKNNTYWGII LLANPQFIS

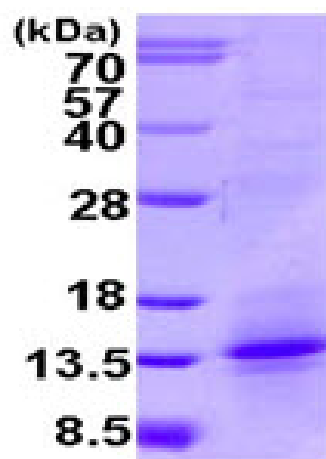
General References

Kwon B, et al. (1999) J Biol Chem 274 (10): 6056-61.

Gurney AL, et al. (1999). Curr Biol 9 (4): 215-8.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)