Bioactive

TNFSF12 (Human) Recombinant Protein

Catalog # P9266 Size 25 ug

Specification

Product Description	Human TNFSF12 partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MHHHHHHRSAPKGRKTRARRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEEARINSSSPLRYNR QIGEFIVTRAGLYYLYCQVHFDEGKAVYLKLDLLVDGVLALRCLEEFSATAASSLGPQLRLCQVSG LLALRPGSSLRIRTLPWAHLKAAPFLTYFGLFQVH
Host	Escherichia coli
Theoretical MW (kDa)	18
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Activity	ED_{50} < 8 ng/mL, measured in a proliferation assay using HUVECs.
Storage Buffer	Lyophilized from 1X PBS. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — TNFSF12

Entrez GeneID	8742
Protein Accession#	O43508
Gene Name	TNFSF12
Gene Alias	APO3L, DR3LG, MGC129581, MGC20669, TWEAK
Gene Description	tumor necrosis factor (ligand) superfamily, member 12
Omim ID	602695
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 protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine can indu ce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is als o found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Some transcripts that skip the last exon of this gene and continue with the second exon of the neighboring TNFSF13 gene have been identified; such read-through transcripts are c ontained in GeneID 407977, TNFSF12-TNFSF13. [provided by RefSeq
Other Designations	APO3/DR3 ligand|TNF-related WEAK inducer of apoptosis

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Genetic Predisposition to Disease
- Hematologic Diseases
- Lupus Erythematosus
- Occupational Diseases

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