

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 <i>Escherichia coli</i> .
Sequence	MHHHHHHRSA PKGRKTRARRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEEARINSSSPLRYNR QIGEFVTRAGLYLYCQVHFDEGKAVYLLDLLVDGVLALRCLEEFSAATAASSLGPQLRLCQVSG LLALRPGSSLRIRTL PWAHLKAAPFLTYFGLFQVH
Host	Escherichia coli
Theoretical MW (kDa)	18
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> 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 ₂ O 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

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) ligand 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 induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also 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 contained 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](#)