

Active Recombinant Mouse Tnfsf12 Protein (His110-His249), C-His tagged, Animal-free, Carrier-free

Cat. No. Tnfsf12-86M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfsf12 Protein (His110-His249) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	His110-His249
Description	TNF-related Weak Inducer of Apoptosis (TWEAK) is a type II membrane protein of the tumor necrosis factor (TNF) family members, high levels expression in mouse peritoneal macrophages. The murine and human TWEAK homologs are very close related (~93% sequence identity in the receptor-binding domain). TWEAK is a 17.3 kDa protein containing 129 residues. TWEAK induce apoptosis through cognate receptor Fn14 activate caspase-8 and caspase-3, in HSC3 cells KATO-III gastric adenocarcinoma cells and IFN-γ-treated HT-29. TWEAK stimulate inflammatory cytokines in HT-29, A375 cells, WI-38 fibroblast sand astrocytes.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in HUVEC cells. The ED50 for this effect is < 0.2 µg/mL.
Molecular Mass	The protein has a calculated MW of 18.14 kDa.

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	The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Tnfsf12 tumor necrosis factor (ligand) superfamily, member 12 [Mus musculus (house mouse)]
Official Symbol	Tnfsf12
Synonyms	TNFSF12; tumor necrosis factor (ligand) superfamily, member 12; tumor necrosis factor ligand superfamily member 12; TNF-related weak inducer of apoptosis; Dr3l; Apo3l; Dr3lg; Tweak;

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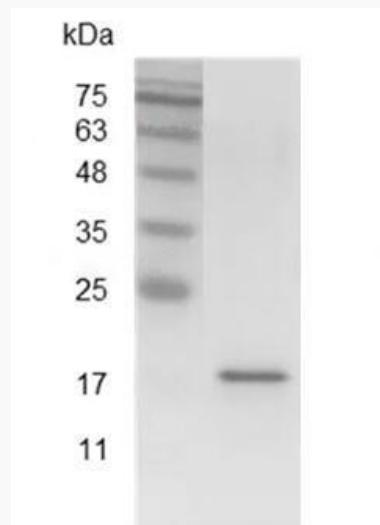
Gene ID 21944

mRNA Refseq NM_011614

Protein Refseq NP_035744

UniProt ID O54907

**SDS-PAGE analysis
of recombinant
mouse TWEAK.**



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