

Recombinant Mouse Tnfsf12, FLAG-tagged

Cat. No. Tnfsf12-196M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfsf12 is produced in <i>HEK 293 cells</i> . The extracellular domain of mouse TWEAK (aa 94-249) is fused at the N-terminus to tenascin-C (TNC) (chicken) (aa 110-139) and a FLAG-tag.
Species	Mouse
Source	HEK293
Protein Length	94-249;110-139 a.a.
Description	Some TNF ligands (such as TWEAK (mouse) or FasL (mouse)) produced as soluble forms do not assemble into stable trimers and show low receptor binding. Addition of the tenascin-C oligomerization domain (TNC) (from chicken) at the N-terminus of recombinant mouse soluble TWEAK stabilizes the TNF homology domain (THD) of rmsTWEAK into a trimer and increases binding to its respective TNF receptor.
Purity	≥95% (SDS-PAGE).
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).
Concentration	0.1mg/ml after reconstitution.
Formulation	Lyophilized. Contains PBS.
Reconstitution	Reconstitute with 100µl sterile water. Further dilutions should be made with medium

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containing 5% fetal calf serum or a carrier protein.

Stability

Stable for at least 6 months after receipt when stored at -20°C.

Storage

Long term storage: -20°C, short term storage: +4°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name

Tnfsf12 tumor necrosis factor (ligand) superfamily, member 12 [*Mus musculus*]

Synonyms

Tnfsf12; tumor necrosis factor (ligand) superfamily, member 12; DR3L; APO3L; DR3LG; Tweak; tumor necrosis factor ligand superfamily member 12; OTTMUSP00000006216; TNF-related weak inducer of apoptosis

Gene ID

21944

mRNA Refseq

NM_011614

Protein Refseq

NP_035744

UniProt ID

O54907

Chromosome Location

11

Pathway

Cytokine-cytokine receptor interaction

Function

cytokine activity; tumor necrosis factor receptor binding

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