

Active Recombinant Human TNFSF12 protein

Cat. No. TNFSF12-8461H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF12 protein(Lys97-His249) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	97-249 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human TNFSF12 at 2 µg/mL (100 µL/well) can bind Human TNFRSF12A with a linear range of 0.1-2.3 ng/mL. 2. Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 0.81-3.24 ng/mL.
Molecular Mass	16.94 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name TNFSF12 tumor necrosis factor (ligand) superfamily, member 12 [Homo sapiens]

Official Symbol TNFSF12

Synonyms

TNFSF12; tumor necrosis factor (ligand) superfamily, member 12; tumor necrosis factor ligand superfamily member 12; APO3L; DR3LG; TWEAK; APO3 ligand; APO3/DR3 ligand; TNF-related WEAK inducer of apoptosis; MGC20669; MGC129581;

Gene ID 8742

mRNA Refseq NM_003809

Protein Refseq NP_003800

MIM 602695

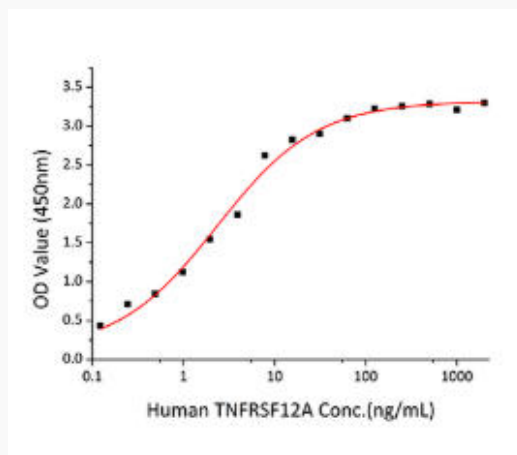
UniProt ID O43508

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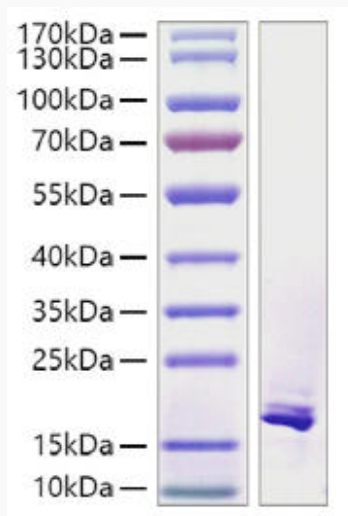
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Activity



SDS-PAGE



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