

For Research Use Only

Recombinant Mouse TNFSF12 protein (mFc Tag)



Catalog Number: Eg3599

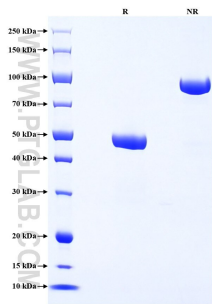
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse TNFSF12 protein Arg105-His249 (Accession# O54907) with a mouse IgG Fc tag at the N-terminus. GeneID: 21944 Accession: O54907 Predicted Molecular Mass: 43.7 kDa SDS-PAGE: 44-50 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	TNFSF12 (Tumor necrosis factor ligand superfamily member 12), also known as TWEAK (TNF-related weak inducer of apoptosis), belongs to the TNF superfamily and is expressed in a variety of tissues and by certain types of immune cells and cancer cell lines, which could activate the processing of initiator caspase-8 as well as caspase-9 and lead to the extrinsic and intrinsic apoptosis. co-culturing with alveolar macrophages or treating with TNFSF12 substantially enhanced fibroblast cell proliferation and resulted in increased expression of extracellular matrix (ECM) and fibrosis-related factors.		
References	1. Chen J, et al. (2024). Am J Transl Res. Aug 15;16(8):4120-4133. 2. Guo L, et al. (2024). J Transl Med. Jul 29;22(1):698.		
Synonyms	TNF-related weak inducer of apoptosis, Tumor necrosis factor ligand superfamily member 12, Tumor necrosis factor ligand superfamily member 12, membrane form, Tumor necrosis factor ligand superfamily member 12, secreted form, TWEAK		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Mouse TNFSF12 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.