

TWEAK/TNFSF12 Active Protein | TNFSF12 active protein

TWEAK/TNFSF12 Protein, Mouse, Recombinant (rFc Tag)

CATALOG #
AAA258138

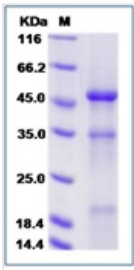
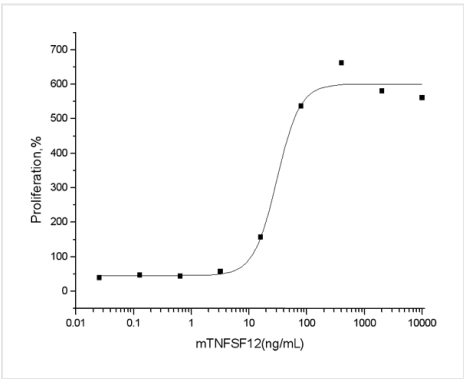
HOST
HEK293 Cells

PRODUCT SYNONYMS

TWEAK/TNFSF12; TWEAK/TNFSF12 Protein; Mouse; Recombinant (rFc Tag); Mouse TNFSF12 Protein (Fc Tag); Apo3l Protein; Dr3l Protein; Dr3lg Protein; Tweak Protein; tumor necrosis factor (ligand) superfamily; member 12; TNFSF12 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Arg105-His 249
Species	Mouse
Activity	Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 10-50ng/mL.
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Ser
Tag	N-rabbit IgG-Fc
Protein Construction	A DNA sequence encoding the mouse TNFSF12 (NP_035744.1)(Arg105-His249) was expressed with the Fc region of rabbit IgG at the N-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC).
The ED50 for this effect is typically 10-50 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFSF12 active protein	Background: TNFSF12 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. It is a ligand for the FN14/TWEAKR receptor. TNFSF12 has overlapping signaling functions with TNF, but displays a much wider tissue distribution. It can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. It is also found that TNFSF12 promotes proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. TNFSF12 also is a weak inducer of apoptosis in some cell types and mediates NF-kappa-B activation.
Product Categories/Family for TNFSF12 active protein	Death Receptor Signaling
References	Wiley SR, et al. (2004) TWEAK, a member of the TNF superfamily, is a multifunctional cytokine that binds the TweakR/Fn14 receptor. Cytokine Growth Factor Rev. 14(3-4):241-9. Campbell S, et al. (2006) The role of TWEAK/Fn14 in the pathogenesis of inflammation and systemic autoimmunity. Front Biosci. 9:2273-84. Lynch CN, et al. (1999) TWEAK induces angiogenesis and proliferation of endothelial cells. J Biol Chem. 274(13):8455-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33438584
NCBI GeneID	21944
NCBI Accession #	NP_035744.1
NCBI GenBank Nucleotide #	NM_011614.3
UniProt Accession #	O54907; Q9CTP2
Molecular Weight	27,441 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 12
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 12
NCBI Official Symbol	Tnfsf12
NCBI Official Synonym Symbols	Dr3l; Apo3l; Dr3lg; Tweak
NCBI Protein Information	tumor necrosis factor ligand superfamily member 12; TNF-related weak inducer of apoptosis
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 12
UniProt Gene Name	Tnfsf12

UniProt Synonym Gene Names	TWEAK
UniProt Entry Name	TNF12_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-active-protein/tweak-tnfsf12/258138>