Recombinant human TWEAKR/TNFRSF12A protein

Catalog Number: ATGP3624

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
28-80aa

UniProt No.
Q9NP84

NCBI Accession No.
NP_057723

Alternative Names
Tumor necrosis factor receptor superfamily member 12A, Fibroblast growth factor-inducible immediate-early response protein 14, FGF-inducible 14, Tweak-receptor, TweakR, CD266, FN14

PRODUCT SPECIFICATION

Molecular Weight
32.6 kDa (292aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 1mM DTT, 20% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
hIgG-His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
TNFRSF12A, also known as tumor necrosis factor receptor superfamily member 12A, is the sole signaling receptor for the proinflammatory cytokine TWEAK (TNFSF12). It is a Downstream Target of the TGF-b Signaling Pathway and regulates Fibroblast Activation. It promotes oxidative stress through NADPH oxidase activation in

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macrophages. It is responsible for TWEAK-induced proliferation of endothelial cells and angiogenesis. Recombinant human TNFRSF12A, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

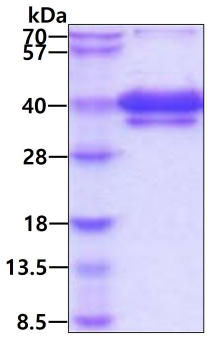
EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC AAAPPAPFRL LWP<LEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH>

General References

Nakayama M., et al. (2003) J Immunol. 170:341-348.
Madrigal-Matute J., et al. (2015) Cardiovasc Res. 108:139-147.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.