Recombinant human DR6/TNFRSF21 protein

Catalog Number: ATGP3803

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
42-349aa

UniProt No.
O75509

NCBI Accession No.
NP_055267

Alternative Names
Tumor necrosis factor receptor superfamily member 21, TNFRSF21, BM-018, CD358, DR6, Death receptor 6

PRODUCT SPECIFICATION

Molecular Weight
60.4 kDa (547aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 0.1mM PMSF.

Purity
> 85% 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
TNFRSF21, also known as tumor necrosis factor receptor superfamily member 21, is a transmembrane protein in the TNF receptor superfamily. It promotes apoptosis through the activation of NF-kappa-B pathway. Binding of N-terminal APP (N-APP) and TNFRSF21 triggers caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6). This protein plays a role in signaling cascades triggered by

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stimulation of T-cell receptor. Recombinant human TNFRSF21 protein, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

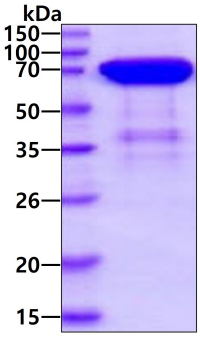
QPEQKASNLI GTYRHVDRAT GQVLTCDKCP AGTYVSEHCT NTSLRVCSSC PVGTFTRHEN GIEKCHDCSQ PCPWPMIEKL PCAALTDREC TCPPGMFQSN ATCAPHTVCP VGWGVRKKGT ETEDVRCKQC ARGTFSDVPS SVMKCKAYTD CLSQNLVVIK PGTKETDNVC GTLPSFSSST SPSPGTAIFP RPEHMETHEV PSSTYVPKGM NSTESNSSAS VRPKVLSSIQ EGTVPDNTSS ARGKEDVNKT LPNLQVVNHQ QGPHHRHILK LLPSMEATGG EKSSTPIKGP KRGHPRQNLH KHFDINEH<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH>

General References

Wang Y., et al, (2015) J Mol Neurosci. 56:966-976.
Fujikura D., et al, (2017) Nat Commun. 8:13957.

DATA

SDS-PAGE



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