
Product Data Sheet

Product Name: TNFRSF21 Human
 Cat. No.: GP21015
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tumor necrosis factor receptor superfamily member 21; BM-018; CD358; DR6; Death receptor 6.		
Amino Acid Sequence	<p>QPEQKASNLI GTYRHVDRAT GQVLTCDKCP AGTYVSEHCT NTSLRVCSSC PVGTFTRHEN GIEKCHDCSQ PCPWPMIEKL PCAALTDREC TCPPGMFQSN ATCAPHTVCP VGWGVRRKGT ETEDVRCKQC ARGTFSDVPS SVMKCKAYTD CLSQNLVVIK PGTKETDNVC GTLPSFSSST SPSPGTAIFP RPEHMETHEV PSSTYVPKGM NSTESNSSAS VRPKVLSSIQ EGTVPDNTSS ARGKEDVNKT LPNLQVVNHQ QGPHHRHILK LLPSMEATGG EKSSTPIKGP KRGHPRQNLH KHFDINEHLE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPPP VLDSGDGSFFL YSKLTVDKSR WQQGNVFCSS VMHEALHNHY TQKSLSLSPG KHHHHHHH.</p>		
Formulation	TNFRSF21 protein solution (1mg/ml) contains phosphate buffered saline (pH7.4),10% glycerol and 0.1 mM PMSF.		

Introduction

Tumor necrosis factor receptor superfamily member 21 or TNFRSF21, is a protein that located in the cell membrane from the TNF receptor superfamily. By activating the NF-kappaB pathway, TNFRSF21 promotes cell apoptosis. The degeneration of cells caused by activating caspase 3 and caspase 6, the TNFRSF21 binds to the N-terminal APP in neuronal cell bodies and axons which leads to apoptosis. TNFRSF21 takes part in signaling cascades activated by stimulation of T-cell receptor.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TNFRSF21 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 547 amino acids (42-349a.a.) and having a molecular mass of 60.4kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). TNFRSF21 is expressed with a 239 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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