

Recombinant Human TNFRSF21 Protein, C-His-tagged

Cat. No. TNFRSF21-052H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF21 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The tumor necrosis factor receptor family, which includes TNF-RI, Fas, DR3, DR4, DR5, and DR6, plays an important role in the regulation of apoptosis in various physiological systems. The receptors are activated by a family of cytokines that include TNF, FasL, and TNF-related apoptosis-inducing ligand (TRAIL). They are characterized by a highly conserved extracellular region containing cysteine-rich repeats and a conserved intracellular region of about 80 amino acids termed the death domain (DD). The DD is important for transducing the death signal by recruiting other DD containing adaptor proteins (FADD, TRADD, RIP) to the death-inducing signaling complex (DISC), resulting in activation of caspases. DR6, also known as TNFRSF21, is a TNFR family member able to induce apoptosis as well as activation of NF-κB and JNK. Expression of DR6 is upregulated by NF-κB signaling. DR6 appears to play a critical role in the activation and differentiation of T and B lymphocytes. In the nervous system, β-amyloid precursor protein (APP) activates DR6 to trigger neuronal degeneration.
Molecular Mass	~34 kDa
AA Sequence	QPEQKASNLIGTYRHVDRATGQVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFT

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RHENGIEKCHDCSQPCPWPMIEKLPCAALTDIRECTCPPGMFQSNATCAPHTVCPV
 GWGVRKKGTETEDVRCKQCARGTFSDVPSSVMKCKAYTDCLSQNLVVIKPGTKET
 DNVCGLTLPSSFSSSTSPSPGTAIFPRPEHMETHEVPSSTYVPKGMNSTESNSSASVR
 PKVLSSIQEGTVPDNTSSARGKEDVNKLTPLNLQVNVNHQQGPHHRHILKLLPSMEAT
 GGEKSSTPIKGPKRGHPRQNLHKHFDINEH

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

TNFRSF21 tumor necrosis factor receptor superfamily, member 21 [Homo sapiens (human)]

Official Symbol

TNFRSF21

Synonyms

TNFRSF21; tumor necrosis factor receptor superfamily, member 21; tumor necrosis factor receptor superfamily member 21; CD358; death receptor 6; DR6; TNFR-related death receptor 6; BM-018; MGC31965;

Gene ID

27242

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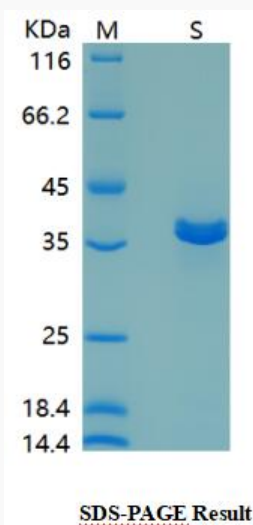
mRNA Refseq NM_014452

Protein Refseq NP_055267

MIM 605732

UniProt ID O75509

SDS-PAGE



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