

## Recombinant Human TNFRSF21 Protein, C-His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFRSF21 Protein with C-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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-<math>\kappa</math>B and JNK. Expression of DR6 is upregulated by NF-<math>\kappa</math>B signaling. DR6 appears to play a critical role in the activation and differentiation of T and B lymphocytes. In the nervous system, <math>\beta</math>-amyloid precursor protein (APP) activates DR6 to trigger neuronal degeneration.</p>
<b>Molecular Mass</b>	~34 kDa
<b>AA Sequence</b>	QPEQKASNLIGTYRHVDRATGQVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFT

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RHENGIEKCHDCSQPCPWPMIEKLPCAALTDRECTCPPGMFQSNATCAPHTVCPV  
 GWGVRKKGTTEDVRCCKQCARGTFSDVPSSVMKCKAYTDCLSQNLVVIKPGTKET  
 DNVCGLPSFSSSTSPSPGTAIFPRPEHMETHEVPSSTYVPKGMNSTESNSSASVR  
 PKVLSSIQEGTVPDNTSSARGKEDVNKTLPNLQVVNHQQGPHHRHILKLLPSMEAT  
 GGEKSSTPIKGPKRGRHPRQNLHKHFDINEH

**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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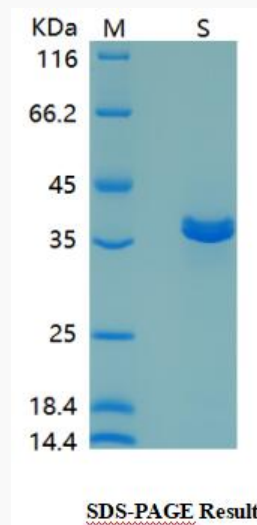
mRNA Refseq [NM\\_014452](#)

Protein Refseq [NP\\_055267](#)

MIM [605732](#)

UniProt ID [O75509](#)

**SDS-PAGE**



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