

Active Recombinant Human TNFRSF1B, Fc & His-tagged

Cat. No. TNFRSF1B-1689H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF1B was expressed in NSO Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	23-257 a.a.
Description	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways.
Form	Lyophilized. This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
Molecular Mass	The predicted molecular weight of Recombinant Human TNF RII is Mr 52.6 kDa (monomer). However, the actual molecular weight as observed by migration on SDS Page is Mr 70 kDa.

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AA Sequence	lpaqvaft pyapepgstc rlreyydqta qmccskcspg qhakvfctkt sdtvcdsced styqlwnwv peclscgsrsc ssdqvetqac treqnrietc rpgwycalsk qegcrlcapl rkcrpgfgva rpgtetsdvv ckpcapgtfs ntsstdicr phqicnvvai pgnasrdavc tstsptsrma pgavhlpqpvs strsqhtqpt pepstapsts flpmgspsp aegstgdieg rmdpkscdkt htccppcpape lggpsvflf pppkpkdtlmi srtpevtcvv vdvshedpev kfnwyvdgve vhnaktkpre eqynstyrvv svltvlhqdw lngkeykckv snkalpapie ktiskakgqp repqvylpp srdeltknqv sltclvkgfy psdiavewes ngqpennykt tppvldsdgs fflyskltvd ksrwqqgnvf scsvmhealh nhytqkslsl spgkhhhhhh
Endotoxin	<1.0 EU/g as determined by the LAL method
Purity	>95% by SDS-PAGE and analyzed by silver stain.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.
GENE INFORMATION	
Gene Name	TNFRSF1B tumor necrosis factor receptor superfamily, member 1B [Homo sapiens (human)]
Official Symbol	TNFRSF1B
Synonyms	TNFRSF1B; p75; TBPII; TNFBR; TNFR2; CD120b; TNFR1B; TNFR80; TNF-R75; p75TNFR; TNF-R-II; tumor necrosis factor receptor superfamily, member 1B; tumor necrosis factor receptor superfamily member 1B; TNF-R2; TNF-RII; p75 TNF receptor; p80 TNF-alpha receptor; soluble TNFR1B variant 1; tumor necrosis factor receptor 2; tumor necrosis factor beta receptor; tumor necrosis factor receptor type II; tumor necrosis factor binding protein 2

Gene ID	7133
mRNA Refseq	NM_001066
Protein Refseq	NP_001057
MIM	191191
UniProt ID	P20333
Chromosome Location	1p36.22
Pathway	Adipocytokine signaling pathway; Amyotrophic lateral sclerosis (ALS); Cytokine-cytokine receptor interaction
Function	protein binding; tumor necrosis factor-activated receptor activity; ubiquitin protein ligase binding

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