

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

lpaqvafv pyapepgstc rlreyydqta qmccskcspg qhakovfctkt sdtvcdsced styqlwnwv
 peclscgsrc ssdqvetqac treqnrictc rpgwycalsk qegcrlcapl rkcrpgfgva rpgtetsdvv
 ckpcapgtfs ntsstdicr phqicnvvai pgnasrdavc tstsptsrma pgavhlpqpv strsqhtqpt
 pepstapsts flpmgspsp aegstgdieg rmdpkscdkt htcpccpape lggpsvflf ppkpkdtlmi
 srtpevtcvv vdvshedpev kfnwyvdgve vhnaktkpre eqynstyrvv svtvlhqdw lngkeykckv
 snkalpapie ktiskakgqp repqvylpp srdeltknqv sltclvkgfy psdiavewes ngqpennykt
 tppvldsdgs fflyskltvd ksrwqqgnvf scsvmhealth 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

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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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