

## Active Recombinant Human TNFRSF1B protein

Cat. No. TNFRSF1B-249H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFRSF1B(Pro 24-Thr206) fused with an N-terminal Met was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro 24-Thr206
<b>Description</b>	<p>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.</p>
<b>Form</b>	1 x PBS
<b>Bio-activity</b>	The ED50 is 0.15-0.5 µg/ml, corresponding to a specific activity of 2-6 x 10 <sup>3</sup> units/mg, determined by a dose-dependent inhibition of 0.25 ng/ml TNF-α induced cytotoxicity in L929 mouse fibroblast cells in the presence of 4 µg/ml actinomycin D.
<b>Molecular Mass</b>	20 kDa

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<b>Endotoxin</b>	Less than 0.01 ng per g protein as determined by the LAL method.
<b>Purity</b>	>95%, as determined by Coomassie stained SDS-PAGE
<b>Concentration</b>	Protein formulated and vialled at >50 ug/mL in specified buffer

## GENE INFORMATION

<b>Gene Name</b>	TNFRSF1B tumor necrosis factor receptor superfamily, member 1B [ Homo sapiens ]
<b>Official Symbol</b>	TNFRSF1B
<b>Synonyms</b>	TNFRSF1B; tumor necrosis factor receptor superfamily, member 1B; TNFR2; tumor necrosis factor receptor superfamily member 1B; CD120b; p75; TNF R II; TNF R75; TNFBR; TNFR80; 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; TBPII; TNFR1B; TNF-R75; p75TNFR; TNF-R-II;
<b>Gene ID</b>	7133
<b>mRNA Refseq</b>	NM_001066
<b>Protein Refseq</b>	NP_001057
<b>MIM</b>	191191
<b>UniProt ID</b>	P20333

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