

## Product datasheet for **TP723428**

### **TNFRSF1B (NM\_001066) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B).
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MAPEPGSTCR LREYYDQTAQ MCCSKCSPGQ HAKVFCTKTS DTVCDSCEDS TYTQLWNWVP ECLSCGSRCS SDQVETQACT REQNRICTCR PGWYCALSQ EGCRLCAPLR KCRPGFGVAR PGTETSDVVC KPCAPGTFNS TTSSTDICRP HQICNVAIP GNASMDAVCT STSP
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	18.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bioactivity:</b>	Determined by its inhibitory effect of the TNF-alpha; mediated cytotoxicity in murine L-929 cells. ED50 for this effect in the presence of 0.25 ng/ml of recombinant human TNF-alpha; is 0.125 ug/ml.
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_001057</a>
<b>Locus ID:</b>	7133
<b>UniProt ID:</b>	<a href="#">P20333</a>
<b>RefSeq Size:</b>	3682
<b>Cytogenetics:</b>	1p36.22
<b>RefSeq ORF:</b>	1383
<b>Synonyms:</b>	CD120b; p75; p75TNFR; TBPII; TNF-R-II; TNF-R75; TNFBR; TNFR1B; TNFR2; TNFR80



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Adipocytokine signaling pathway, Amyotrophic lateral sclerosis (ALS), Cytokine-cytokine receptor interaction

**Product images:**