

Active Recombinant Human TNFRSF1B protein, His-GST-tagged

Cat. No. TNFRSF1B-446H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF1B protein(Ala298~Leu441), fused with His tag and GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala298~Leu441
Form	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose.
Bio-activity	Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) , also known as tumor necrosis factor receptor 2 (TNFR2) and CD120b, is a membrane receptor that binds tumor necrosis factor-alpha (TNFα). 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. Besides, Tumor Necrosis Factor Alpha (TNFα) has been identified as an interactor of TNFRSF1B, thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human TNFRSF1B and recombinant human TNFα. Briefly, TNFRSF1B were diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 μl were then transferred to TNFα-coated microtiter wells and incubated for 1h at 37 °C. Wells were washed with PBST and incubated for 1h with anti-TNFRSF1B pAb, then aspirated and washed 3 times. After incubation

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 °C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of TNFRSF1B and TNFa was shown in Figure 2, the EC50 was 0.0470~0.085 ug/ml.

Molecular Mass	50kDa
Purity	>95%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 month.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TNFRSF1B tumor necrosis factor receptor superfamily, member 1B [Homo sapiens]
Official Symbol	TNFRSF1B
Synonyms	tumor necrosis factor receptor superfamily, member 1B; p75; TBPII; TNFBR; TNFR2; CD120b; TNFR1B; TNFR80; TNF-R75; p75TNFR; TNF-R-II; TNFRSF1B; tumor necrosis factor receptor 2; p75 TNF receptorL; soluble TNFR1B variant 1; tumor necrosis factor beta receptor; tumor necrosis factor binding protein 2
Gene ID	7133
mRNA Refseq	NM_001066

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

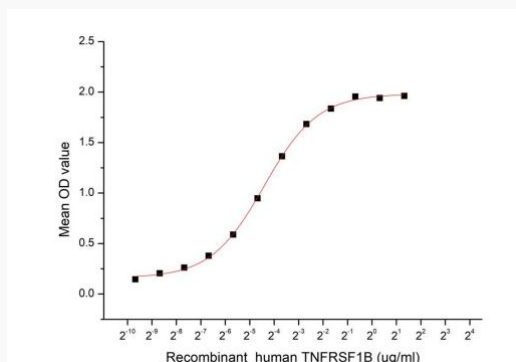
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_001057

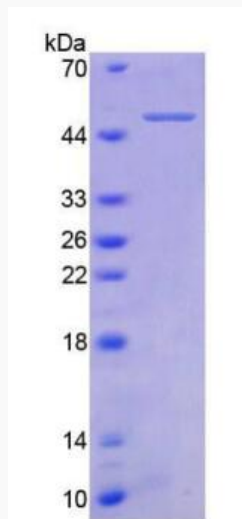
MIM 191191

UniProt ID P20333

Binding activity



SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA