

Recombinant Rat Tnfsf13b protein, His/S-tagged

Cat. No. Tnfsf13b-221R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnfsf13b fused with His/S tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	B-cell activating factor, also known as BAFF, TALL-1, TNAK, and zTNF4, is a member of the TNF ligand superfamily designated TNFSF13B. Produced by macrophages, dendritic cells, and T lymphocytes, BAFF promotes the survival of B cells and is essential for B cell maturation. BAFF binds to three TNF receptor superfamily members: B-cell maturation antigen (BCMA/TNFRSF17), transmembrane activator and calcium-modulator and cyclophilin ligand interactor (TACI/TNFRSF13B) and BAFF receptor (BAFF R/BR3/TNFRSF 13C). These receptors are type III transmembrane proteins lacking a signal peptide. Whereas TACI and BCMA bind BAFF and another TNF superfamily ligand, APRIL (a proliferation-inducing ligand), BAFF R selectively binds BAFF. The BAFF R extracellular domain lacks the TNF receptor canonical cysteine-rich domain (CRD) and contains only a partial CRD with four cysteine residues. Human and mouse BAFF R share 56% aa sequence identity. BAFF R is highly expressed in spleen, lymph node and resting B cells. It is also expressed at lower levels in activated B cell, resting CD4+ T cells, thymus and peripheral blood leukocytes.
Form	Lyophilized from sterile PBS, pH 7.4

 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

Purity > 95 % as determined by SDS-PAGE

Storage Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name Tnfsf13b tumor necrosis factor (ligand) superfamily, member 13b [*Rattus norvegicus*]

Official Symbol Tnfsf13b

Synonyms TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; tumor necrosis factor ligand superfamily member 13B; RGD1561519;

Gene ID 498666

mRNA Refseq NM_001109112

Protein Refseq NP_001102582

Chromosome Location 16q12.5

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem;

Function tumor necrosis factor receptor binding;

 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