Recombinant Human TNFRSF17

Cat. No. TNFRSF17-2604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Tumor Necrosis Factor Receptor Superfamily, Member 17 produced in*E.Coli*is a single, non-glycosylated, polypeptide chain containing 50 amino acids and having a molecular mass of 5.3 kDa. The TNFRSF17 is purified by standard chromatographic techniques.
Species	Human
Source	E.coli
Description	TNFRSF17 is a receptor for tnfsf13b/blys/baff and tnfsf13/april. TNFRSF17 promotes b-cell survival and plays a role in the regulation of humoral immunity. TNFRSF17 activates nf-kappa-b and jnk. TNFRSF17 is a member of the TNF-receptor superfamily. TNFRSF17 is expressed in mature B lymphocytes, and is invloved in B cell development and autoimmune response. TNFRSF17 specifically binds to the tumor TNFSF13B/TALL-1/BAFF, which causes NF-kappaB and MAPK8/JNK activation. TNFRSF17 binds to a variety of TRAF family members, and therefore transduces signals for cell survival and proliferation. TNFRSF17 is a type III membrane protein having 1 extracellular cysteine rich domain. Within the TNFRSF, it shares the highest homology with TACI.
Purity	Greater than 98% as determined by SDS-PAGE.
Sequence	AGQCSQNEYF DSLLHACIPC QLRCSSNTPP LTCQRYCNAS VTNSVKGTNA.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.

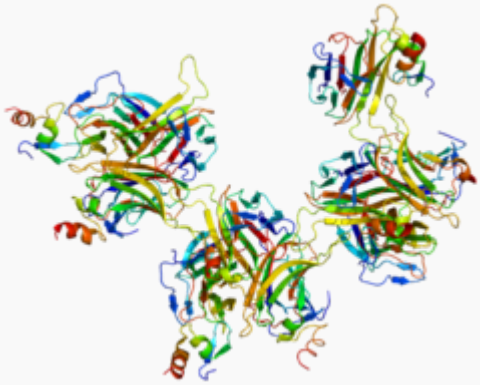
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Formulation	1mg of TNFRSF17 Human contains 20mM PBS, pH-7.4, and 130mM NaCl.
Solubility	It is recommended to reconstitute the lyophilized TNFRSF17 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage	Lyophilized TNFRSF17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFRSF17 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	TNFRSF17 tumor necrosis factor receptor superfamily, member 17 [Homo sapiens]
Synonyms	TNFRSF17; tumor necrosis factor receptor superfamily, member 17; BCM; BCMA; CD269; TNFRSF17; tumor necrosis factor receptor superfamily member 17; B-cell maturation factor; B-cell maturation protein
Gene ID	608
mRNA Refseq	NM_001192
Protein Refseq	NP_001183
MIM	109545
UniProt ID	Q02223
Chromosome Location	16p13.1

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Pathway	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production
Function	protein binding; receptor activity; tumor necrosis factor receptor activity
PDB rendering based on 1oqd.	

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