

# Recombinant Human TNFRSF17 Protein (Met1-Ala54), His-Fc-tagged, Biotinylated

Cat. No. TNFRSF17-409H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Human TNFRSF17 Protein (NP\_001183.2) (Met1-Ala54) was produced by HEK293 Cells expression system. This protein was expressed with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus and a signal peptide at the N-terminus. The purified protein was biotinylated in vitro.

**Species** Human

**Source** HEK293

**ProteinLength** Met1-Ala54

**Description** Tumor necrosis factor receptor superfamily, member 17 (TNFRSF17), also known as B cell maturation antigen (BCMA) or CD269 antigen, is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13BBAFF), and to lead to NF-kappaB and MAPK8/JNK activation. TNFRSF17/BCMA/CD269 also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. TNFRSF17/BCMA/CD269 is a receptor for TALL-1 and BCMA activates NF-kappaB through a TRAF5-, TRAF6-, NIK-, and IKK-dependent pathway. The identification of TNFRSF17 as a NF-kappaB-activating receptor for TALL-1 suggests molecular targets for drug development against certain immunodeficient or autoimmune

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diseases. TNFRSF17/BCMA is a target of donor B-cell immunity in patients with myeloma who respond to DLI. Antibody responses to cell-surface BCMA may contribute directly to tumor rejection in vivo.

**Predicted N Terminal**

Met

**Form**

Lyophilized from sterile Sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Molecular Mass**

The recombinant TNFRSF17 consists of 302 amino acids and predicts a molecular mass of 34 kDa.

**Endotoxin**

< 1.0 EU per µg protein as determined by the LAL method.

**Purity**

> 95 % as determined by SDS-PAGE.

**Stability**

Samples are stable for up to twelve months from date of receipt at -70 centigrade.

**Storage**

Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Shipping**

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.

Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

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Conjugation Biotin

## GENE INFORMATION

Gene Name	TNFRSF17 tumor necrosis factor receptor superfamily, member 17 [ Homo sapiens ]
Official Symbol	TNFRSF17
Synonyms	TNFRSF17; BCMA; BCM; CD269; B-cell maturation factor; B cell maturation antigen;
Gene ID	608
mRNA Refseq	NM_001192
Protein Refseq	NP_001183
MIM	109545
UniProt ID	Q02223

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