

Active Recombinant Mouse BAFF Protein, His-Tagged

Cat. No. BAFF-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse BAFF Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	B-cell activating factor (BAFF) also known as tumor necrosis factor ligand superfamily member 13B is a protein, that in humans, is encoded by the TNFSF13B gene. BAFF is also known as B Lymphocyte Stimulator (BLyS) and TNF- and APOL-related leukocyte expressed ligand (TALL-1) and the Dendritic cell-derived TNF-like molecule. BAFF is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.
Form	Lyophilized powder
AA Sequence	MAFQGPEETEQDVDLSAPPAPCLPGCRHSQHDDNGMNLRNIIQDCLQLIADSDTPTI RKGTYTFVPWLLSFKRGNALEEKENKIVVRQTGYFF IYSQVLYTDPFAMGHVIQRKKVHVFGDELSLVTLFRCIQNMPKTLPNNSCYSAGIAR LEEGDEIQLAIPRENAQISRNGDDTFFGALKLL with polyhistidine tag at the C-terminu s
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Bio-activity	Measure by its ability to induce proliferation in mouse B cells. The ED50 for this effect is <0.5 ng/mL. The specific activity of recombinant mouse BAFF is > 2 x 10 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Tnfsf13b tumor necrosis factor (ligand) superfamily, member 13b [Mus musculus (house mouse)]
Official Symbol	BAFF
Synonyms	BAFF; BlyS; TALL1; THANK; zTNF4; TALL-1; Tnlg7a; TNFSF20; D8Ert387e
Gene ID	24099
mRNA Refseq	NM_001347309.1
Protein Refseq	NP_001334238.1

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UniProt ID

Q9WU72

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63-
48-
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11-