

Active Recombinant Mouse Tnfsf13b Protein (Ala127-Leu309), C-His tagged, Animal-free, Carrier-free

Cat. No. Tnfsf13b-112M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfsf13b Protein (Ala127-Leu309) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ala127-Leu309
Description	BAFF also known as BLYS, TALL-1 and TNFSF13B, which belongs to tumor necrosis factor family. BAFF is a 31.2 kDa type II transmembrane protein containing 285 residues that predominantly produced by myeloid cells, furthermore mouse BAFF shares 72% sequence identity with human BAFF. BAFF has been demonstrated to activate the survival of B cells and the B cell response by binding to BAFFR/BR3. Additionally, BAFF also takes part in regulating B and T cell function via forming two ligands-two receptors pathway through sharing TNFRSF13B/TACI and TNFRSF17/BCMA receptors with APRIL.
Form	Lyophilized
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 × 10 ⁶ IU/mg.
Molecular Mass	The protein has a calculated MW of 21.56 kDa.

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	The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Tnfsf13b tumor necrosis factor (ligand) superfamily, member 13b [Mus musculus (house mouse)]
Official Symbol	Tnfsf13b
Synonyms	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; tumor necrosis factor ligand superfamily member 13B; B-cell-activating factor; b cell-activating factor; BAFF; BLyS; TALL1; THANK; zTNF4; TALL-1; TNFSF20; D8Ertd387e; MGC124060; MGC124061;

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Gene ID 24099

mRNA Refseq NM_033622

Protein Refseq NP_296371

UniProt ID Q9WU72

**SDS-PAGE analysis
of recombinant
mouse BAFF.**

kDa M

75
60
45
35
25
15
10



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