

Mouse recombinant BAFF (B-cell activating factor) protein, AF

Catalog Number: PROTQ9WU72

Overview

Product Name	Mouse recombinant BAFF (B-cell activating factor) protein, AF
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.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 21.56 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce proliferation in mouse B cells. The ED₅₀ for this effect is 2 x 10² IU/mg.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MAFQGPEETEQDVDLSAPPAPCLPGCRHSQHDDNGMNLRNIIQDCLQLIADSDTPTIRKGTYTFVPWLLSFKRGNALEEKENKIVVRQTGYFFIYSQVLY
TDPIFAMGHVIRKKVHVFGDELSLTLFRCIQNMPKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDDTFFGALKLL with polyhistidine tag at
the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not
less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex!
Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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