

Product datasheet for **TP728147M**

Recombinant BAFF (B-cell activating factor), Human

Product data:

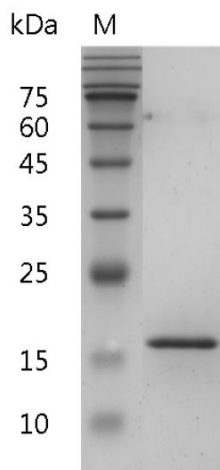
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| Product Type: | Recombinant Proteins |
| Description: | Recombinant BAFF (B-cell activating factor), Human |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MAVQGP EETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSAL EEEKENKILVKETGYFFIYGQVLYTDKT YAMGH LIQRKKVHVFGDELSLVT LFR CIQNPETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDV TFFGALKLL with polyhistidine tag at the C-terminus. |
| Tag: | His Tag (C-term) |
| Predicted MW: | The protein has a calculated MW of 17.98 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis). |
| Purity: | >98% as determined by SDS-PAGE. |
| Buffer: | The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. |
| Bioactivity: | Measure by its ability to induce IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <0.5 ng/mL. |
| Endotoxin: | <0.1 EU per 1 µg of the protein by the LAL method. |
| Reconstitution Method: | Centrifuge at 3000 rpm for 5 mins before opening. 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 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. |
| Applications: | Cell culture |
| 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. |
| UniProt ID: | Q9Y275 |
| Synonyms: | TNFSF13B, BLYS, CD257, DTL, TALL-1, TALL1, THANK, TNFSF20, TNLG7A, ZTNF4 |



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Summary:

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. 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.

Product images:

SDS- PAGE analysis of recombinant human BAFF