



# BAFF-R Recombinant Protein

Cat. No.: 90-237




## Ψ Specifications

<b>SPECIES:</b>	Human, Mouse
<b>SOURCE SPECIES:</b>	HEK293 cells
<b>SEQUENCE:</b>	The extracellular domain of human BAFF-R (aa 2-71) is fused at the C-terminus to the Fc portion of human IgG1.
<b>FUSION TAG:</b>	Fc Tag
<b>TESTED APPLICATIONS:</b>	
<b>APPLICATIONS:</b>	This recombinant proteins is for research use only.

## Ψ Properties

<b>PURITY:</b>	>95% (SDS-PAGE). Endotoxin level is less than 0.01EU/ µg purified protein (LAL test; Lonza).
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Contains PBS. Reconstitute with 50 µl sterile water.
<b>CONCENTRATION:</b>	1 mg/ml after reconstitution.
<b>STORAGE CONDITIONS:</b>	Stable for at least 6 months after receipt when stored at -20 °C.

<b>OFFICIAL SYMBOL:</b>	TNFRSF13C
<b>ALTERNATE NAMES:</b>	TNFRSF 13C, Tumor Necrosis Factor Receptor Superfamily Member 13C, BR3, BlySR3, CD268, BAFF Receptor
<b>ACCESSION NO.:</b>	Q96RJ3
<b>PROTEIN GI NO.:</b>	15208475
<b>GENE ID:</b>	115650

 Background and References

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<b>BACKGROUND:</b>	<p>BAFF is mainly produced by innate immune cells such as neutrophils, monocytes, macrophages, dendritic cells, follicular dendritic cells. T cells, activated B cells, some malignant B cells and also non-lymphoid cells like astrocytes, synoviocytes and epithelial cells can also produce BAFF. BAFF binds three distinct receptors (BAFF-R, TACI and BCMA) expressed predominantly on B cells, although activated T cells also express BAFF-R. BAFF is a master regulator of peripheral B cell survival, and together with IL-6, promotes Ig class-switching and plasma cell differentiation . Besides its major role in B cell biology, BAFF co-stimulates activated T cells. Deregulated expression of BAFF leads to autoimmune disorders in mice. In humans, elevated levels of soluble BAFF have been detected in the serum of patients with various autoimmune diseases, such as Sjögren's syndrome , Rheumatoid Arthritis (RA) , Multiple sclerosis (MS) and Systemic Lupus Erythematosus (SLE) . BAFF is also increased levels in some lymphoid cancers.</p>
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