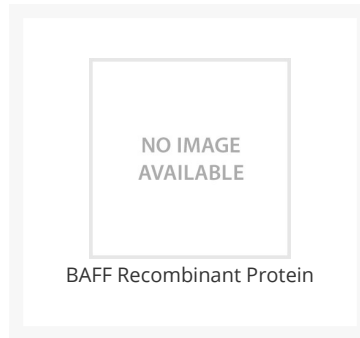




BAFF Recombinant Protein

Cat. No.: 90-228




Ψ Specifications

SPECIES:	Human, Mouse
SOURCE SPECIES:	E. coli
SEQUENCE:	Human BAFF (aa 134-285) is fused at the N-terminus to a DDDDK-tag. Natural cleaved form.
FUSION TAG:	DDDDK Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.

Ψ Properties

PURITY:	>95% (SDS-PAGE). Endotoxin level is less than 0.01EU/ µg purified protein (LAL test; Lonza).
PHYSICAL STATE:	Lyophilized
BUFFER:	Contains PBS. Reconstitute with 100 µl sterile water.
CONCENTRATION:	0.1mg/ml after reconstitution.
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -20 °C.

OFFICIAL SYMBOL:	TNFSF13B
ALTERNATE NAMES:	BLyS, TALL-1, CD257, B Cell Activating Factor, TNFSF13B, Tumor Necrosis Factor Ligand Superfamily Member 13B
ACCESSION NO.:	Q9Y275
PROTEIN GI NO.:	5730097
GENE ID:	10673

 Background and References

BACKGROUND:	<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 Sjogren syndrome, Rheumatoid arthritis (RA), Multiple sclerosis (MS) and Systemic Lupus Erythematosus (SLE). BAFF has also increased levels in some lymphoid cancers.</p>
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