

B-cell Activating Factor Human Recombinant

Item Number	rAP-0344
Synonyms	BAFF, BLYS, CD257, TALL1, THANK, ZTNF4, TALL-1, TNFSF20, TNFSF13B, B-cell Activating Factor.
Description	BAFF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 153 amino acids and having a molecular mass of 17007 Dalton. The BAFF is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9Y275
Amino Acid Sequence	MAVQGPEETV TQDCLQLIAD SETPTIQKGS YTFVPWLLSF KRGSAL EEKE NKILVKETGY FFIYGQVLYT DKTYAMGHLI QRKKVHVFGD ELSLVTLFRC IQNMPETLPN NSCYSAGIAK LEEGDELQLA IPRENAQISL DGDVTFFGAL KLL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized BAFF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BAFF should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.0. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized BAFF in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity is determined by a mouse splenocyte survival assay. The ED50 for this effect is 0.5-2.0µg/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**