

Product: BAFF (B Lymphocyte Stimulator), Human Recombinant
Catalog #: 11-BAFF
Amount: 5 µg

DESCRIPTION: Recombinant Human BAFF produced in E.Coli is a single, non-glycosylated polypeptide chain containing 153 amino acids and having a molecular mass of 17007 Dalton. BAFF functions as a potent B-cell growth factor in costimulation assays. Administration of recombinant Human BAFF to mice disrupts splenic B-cell and T-cell zones and results in elevated levels of serum immunoglobulin. The rHuBAFF is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Val-Gln-Gly.

SOURCE: *E.Coli* Expression System

PURITY: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuBAFF.

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a standard solution of BAFF as a Reference Standard.

FORM: Purified, in 1.6 mg Mannitol and 1.2 mg HSA.

BIOLOGICAL ACTIVITY: rHuBAFF is fully biologically active when compared to standard. The activity is determined by the dose-dependant stimulation of IL-8 production by human PBMC. The ED50 for this effect is less than 10ng/ml. Please note: results may vary with PBMC donors.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.

489 Common Street, Belmont, MA 02478, USA; Email: info@arpl.com or staff@arpl.com
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120