

BCA-1/BLC Human Recombinant (CXCL13)

Item Number	rAP-0115
Synonyms	C-X-C motif chemokine 13, Small-inducible cytokine B13, B lymphocyte chemoattractant, CXC chemokine BLC, CXCL13, BCA1, BCA-1, CXCL-13, B cell Attracting Chemokine-1, BLC, ANGIE, BLR1L, SCYB13, ANGIE2.
Description	CXCL13 Human Recombinant produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 87 amino acids and having a molecular mass of 10.3 kDa. The BCA-1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O43927
Amino Acid Sequence	VLEVYYTSLRCRCVQESSVFIPRRFIDRIQILPRGNG CPRKEIIVWKKNKSIVCVDPAEWIQRMMMEVLRKR SSSTLPVPVFKRKIP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized BCA1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BCA1 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	The BCA-1 protein was lyophilized from a concentrated (0.5mg/ml) solution containing 20mM PBS & 150mM NaCl pH-7.4. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CXCL13 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract human B cells using a concentration range of 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.
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**