Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 009-001-U66-0005

rHuman CXCL13 Protein

Overview

Description:	Human Beta-cell Attracting Chemokine 1 (CXCL13) Recombinant Protein - 009-001-U66-0005
Item No.:	009-001-U66-0005
Size:	5 µg
Applications:	SDS-PAGE
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	B cell Attracting Chemokine-1 (BCA-1), also known as CXCL13, is expressed at high levels in lymphoid tissues such as the spleen, lymph nodes and Peyer's patches. It has been shown to activate signaling through the receptor BLR1 (Burkitt's lymphoma receptor 1) to chemoattract B cells. Recombinant human BCA-1 is a non-glycosylated protein, containing 87 amino acids, with a molecular weight of 10.3 kDa.
Synonyms:	CXCL13, BLC, BLR1 Ligand
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	Q53X90
Purity/Specificity:	Beta-cell Attracting Chemokine 1 (CXCL13) purity was determined to be greater than 97% as determined by analysis by HpLC, UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Relevant Links:	• UniProtKB - Q53X90

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Beta-cell Attracting Chemokine 1 Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Beta-cell Attracting Chemokine 1 in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: The activity is determined by its ability to chemoattract BaF3 cells transfected with CXCR5 and is typically 5-20 ng/mL.

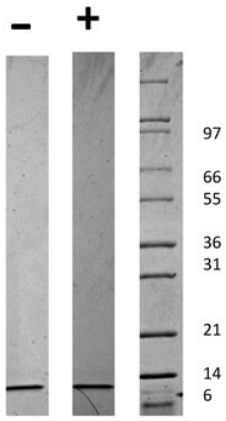
Formulation

Physical State:	Lyophilized
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	5µl (5-50µl)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE

SDS-PAGE of Human Beta-cell Attracting Chemokine 1 (CXCL13) Recombinant Protein. Lane 1: 1 µg Human Beta-cell Attracting Chemokine 1 (CXCL13) in non-reducing conditions (-). Lane 2: 1 µg Human Beta-cell Attracting Chemokine 1 (CXCL13) in reducing conditions (+). Lane 3: Molecular weight marker. Human BCA-1 has a predicted MW of 10.3 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.