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Datasheet for 009-F01-B66-0005

rHuman EBI-3 Protein

Overview

Description:	Human Epstein-Barr Virus Induced Gene 3 Recombinant Protein (Animal Free) - 009-F01-B66-0005
Item No.:	009-F01-B66-0005
Size:	5 µg
Applications:	SDS-PAGE
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Epstein-Barr Virus Induced Gene-3 (EBI3), is a secreted glycoprotein belonging to the hematopoietin receptor family and is related to the p40 subunit of IL-12. EBI3 was identified by its induced expression in B-lymphocytes in response to Epstein-Barr virus infection. EBI3 forms heterodimers with p28 to form IL-27 and with p35 to form IL-35. Both IL-27 and IL-35 have anti-inflammatory and regulatory activity. Recombinant human EBI3 is a non-glycosylated protein, containing 210 amino acids, with a molecular weight of 23.3 kDa.
Synonyms:	IL-35/EBI3, IL-27/EBI3
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	EBI3
Purity/Specificity:	Epstein-Barr Virus Induced Gene-3 is produced with no animal-derived raw products, animal free equipment and animal free protocols. Purity was determined to be greater than 90% as determined by reducing and non-reducing SDS-PAGE.
Relevant Links:	• UniProtKB - Q14213

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Epstein-Barr Virus Induced Gene 3 Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Epstein-Barr Virus Induced Gene 3 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: Human EBI3 has no known independent biological function, but is assayed by qualitative binding to an anti-EBI-3 antibody.

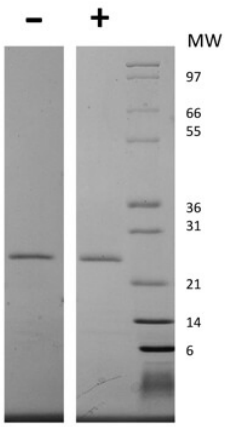
Formulation

Physical State:	Lyophilized
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	0.5% Mannitol
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 Epstein-Barr Virus Induced Gene 3 Animal Free Recombinant Protein. Lane 1: 1 µg Human EBI3 AF in non-reducing conditions (-). Lane 2: 1 µg Human EBI3 AF in reducing conditions (+). Lane 3: Molecular weight marker. Human EBI3 AF has a predicted MW of 23.3 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.