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Product datasheet

Recombinant Human RFX5 protein ab131776

1 Image

Description

Product name	Recombinant Human RFX5 protein
Expression system	Wheat germ
Accession	P48382
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAEDEPDAKSPKTGGRAPPGGAEAGEPTTLLQRLRGTIS KAVQNKVEGIL QDVQKFSDNDKLYLYLQLPSGPTTGDKSSEPSTLSNEEY MYAYRWIRNHL EEHTDTCLPKQSVYDAYRKYCESLACCRPLSTANFGKIIRE IFPDIKARR LGGRGQSKYCYSGIRRKTLVSMPPLPGLDLKGSESPEMG PEVTPAPRDEL VEAACALTCDWAERILKRSFSSIVEVARFLLQQHLISARSA HAHVLKAMG LAEEDEHAPRERSSKPKNGLENPEGGAHKKPERLAQPP KDLEARTGAGPL ARGERKKSVVESSAPGANNLQVNALVARLPLLLPRAPRS LIPPIPVSPPI LAPRLSSGALKVATLPLSSRAGAPPAAVPIINMILPTVPALP GPGPGPGR APPGGLTQPRGTENREVGIGGDQGPHDKGVKRTAEVPVS EASGQAPPAKA AKQDIEDTASDAKRKRGRPRKKSGGSGERNSTPLKSAAA MESAQSSRLPW ETWGSGGEGNSAGGAERPGPMGEAEKGAVLAQGQGDG TVSKGGRGPGSQH TKEAEDKIPLVPSKVSVIKGSRSQKEAFPLAKGEVDTAPQ GNKDLKEHVL QSSLSQEHKDPKATPP
Predicted molecular weight	92 kDa including tags
Amino acids	1 to 616

Specifications

Our **Abpromise guarantee** covers the use of **ab131776** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot SDS-PAGE
Form	Liquid

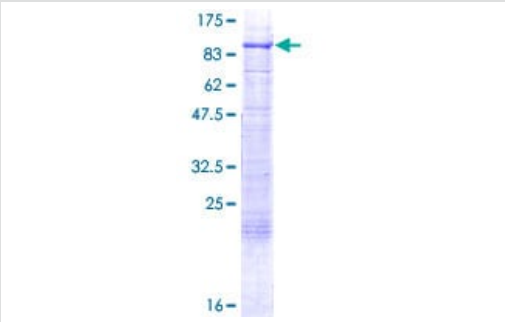
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Activates transcription from class II MHC promoters. Recognizes X-boxes. Mediates cooperative binding between RFX and NF-Y. RFX binds the X1 box of MHC-II promoters.
Tissue specificity	Ubiquitous.
Involvement in disease	Defects in RFX5 are a cause of bare lymphocyte syndrome type 2 (BLS2) [MIM:209920]; also known as hereditary MHC class II deficiency or HLA class II-deficient combined immunodeficiency. BLS2 is a severe combined immunodeficiency disease with early onset. It is characterized by a profound defect in constitutive and interferon-gamma induced MHC II expression, absence of cellular and humoral T-cell response to antigen challenge, hypogammaglobulinemia and impaired antibody production. The consequence include extreme susceptibility to viral, bacterial and fungal infections.
Sequence similarities	Belongs to the RFX family. Contains 1 RFX-type winged-helix DNA-binding domain.
Domain	The N-terminus is required for dimer formation, association with RFXANK and RFXAP, assembly of the RFX complex, and for binding of this complex to its X box target site in the MHC-II promoter. The C-terminus mediates cooperative binding between the RFX complex and NF-Y.
Post-translational modifications	Phosphorylated.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human RFX5 protein (ab131776)

12.5% SDS-PAGE analysis of ab131776 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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