Recombinant human PHF11 protein

Catalog Number: ATGP1790

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-331aa

UniProt No.
Q9UIL8

NCBI Accession No.
NP_001035533

Alternative Names
PHD finger protein 11, APY, BCAP, IGEL, IGER, IGHER, NY-REN-34, NYREN34, RP11-185C18.3

PRODUCT SPECIFICATION

Molecular Weight
39.7 kDa (351aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
PHD finger protein 11, also known as PHF11, is a regulator of TH1-type cytokine gene expression. The reduction in PHF11 expression seen with an AD-associated genotype could contribute to the strong TH2 responses that characterize many allergic individuals. PHF11 are associated with increased total serum IgE levels, asthma, and severe atopic dermatitis (AD) in children. Although PHF11 includes a plant homeodomain, a motif often found in transcriptional regulators, the function of PHF11 has not been investigated. Recombinant human PHF11 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

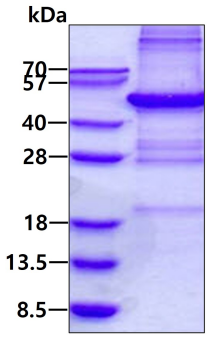
<MGSSHHHHHH SSGLVPRGSH> MAQASPPRPE RVLGASSPEA RPAQEALLLP TGVFQVAEKM EKRTCALCPK DVEYNVLYFA QSENIAAHEN CLLYSSGLVE CEDQDPLNPD RSFDVESVKK EIQRGRKLKC KFCHKRGATV GCDLKNCNKN YHFFCAKKDD AVPQSDGVRG IYKLLCQQHA QFPIIAQSAK FSGVKRKRGR KKPLSGNHVQ PPETMKCNTF IRQVKEEHGR HTDATVKVPF LKKCKEAGLL NYLLEEILDK VHSIPEKLMD ETTSESDYEE IGSALFDCRL FEDTFVNFQA AIEKKIHASQ QRWQQLKEEI ELLQDLKQTL CSFQENRDLM SSSTSISSLS Y

General References

Clarke E., et al. (2008) J. Allergy Clin. Immunol. 121:1148-1154
Scanlan M.J., et al. (1999) Int. J. Cancer. 83:456-464

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.