

Recombinant human PIR-B protein

Catalog Number: ATGP1413

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-290aa

UniProt No.

O00625

NCBI Accession No.

NP_001018119

Alternative Names

Pirin, Probable quercetin 2,3-dioxygenase PIR

PRODUCT SPECIFICATION

Molecular Weight

34.3 kDa (310aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

PIR, also known as pirin, is a member of the cupin superfamily. PIR is an Fe (II) -containing nuclear protein expressed in all tissues of the body and concentrated within dot-like subnuclear structures. Interactions with nuclear factor I/CCAAT box transcription factor as well as B cell lymphoma 3-encoded oncoprotein suggest the encoded protein may act as a transcriptional cofactor and be involved in the regulation of DNA transcription and replication. Recombinant human PIR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MGSSKKVTLVLSREQSEGV GARVRRSIGH PELKNLDPFL LFDEFKGGRP
GGFPDHPHRG FETVSYLLEG GSM AHEDFCG HTGKMNPGDL QWMTAGRGIL HAEMPCSEEP AHGLQLWVNL
RSSEKMVEPQ YQELKSEEIP KPSKDGVTVA VISGEALGIK SKVYTRTPTL YLDFKLDPGA KHSQPIKGW TFSIYTISGD
VYIGPDDAQQ KIEPHHTAVL GEGDSVQVEN KDPKRSHFVL IAGEPLREPV IQHGPFVMNT NEEISQAILD FRNAKNGFER
AKTWKSKIGN

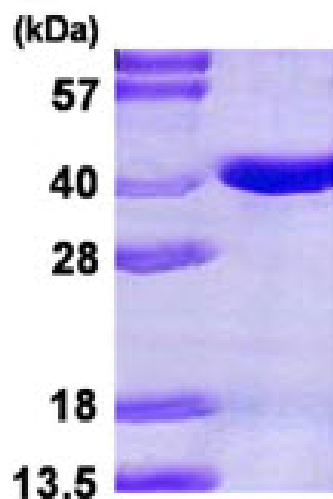
General References

Gelbman B.D., et al. (2007) *Respir. Res.* 8:10-10

Licciulli S., et al. (2010) *Leukemia.* 24:429-437

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)