

Recombinant Human PIR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PIR-6297H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

PIR MS Standard C13 and N15-labeled recombinant protein (NP_001018119) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a member of the cupin superfamily. The encoded protein 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. Alternatively spliced transcript variants have been described.

Molecular Mass

32.1 kDa

AA Sequence

MGSSKKVTL SVLSREQSEGVGARVRRSIGRPELKNLDPFLLFDEFKGGRPGGFPDH
 PHRGFETVSYLLEGGSM AHEDFCGHTGKMNPGDLQWMTAGRGILHAEMPCSEEP
 AHGLQLWVNLRSSEK MVEPQYQELKSEEIPKPSKDGVTVAVISGEALGIKSKVYTRT
 PTLYLDFKLDPGAKHSQPIPKGWTSFIYTISGDVYIGPDDAQQKIEPHHTAVLGEGDS
 VQVENKDPKRSHFVLIAGEPLREPVIQHGFVMNTNEEISQAILDFRNAKNGFERAKT
 WKSKIGNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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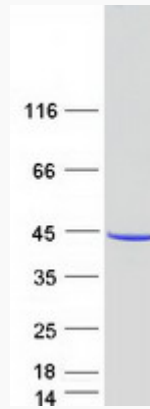
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|-----------------------|--|
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| Storage | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| Concentration | 50 µg/mL as determined by BCA |
| Storage Buffer | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | PIR pirin [Homo sapiens (human)] |
| Official Symbol | PIR |
| Synonyms | PIR; pirin (iron-binding nuclear protein); pirin; probable quercetinase; probable quercetin 2,3-dioxygenase PIR; |
| Gene ID | 8544 |
| mRNA Refseq | NM_001018109 |
| Protein Refseq | NP_001018119 |
| MIM | 603329 |
| UniProt ID | O00625 |



SDS-PAGE



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