

# Recombinant Human Pirin (iron-binding nuclear protein), His-tagged

**Cat. No.** PIR-5547H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant humanPIR protein,fused to His-tag at N-terminus, was expressed in E. coli and purified byusing conventional chromatography.
<b>Species</b>	Human
<b>Description</b>	PIR, also known aspirin, is a memberof the cupin superfamily. PIR is an Fe(II)-containing nuclear proteinexpressed in all tissues of the body and concentrated within dot-likesubnuclear structures. Interactions with nuclear factor I/CCAAT boxtranscription factor as well as B cell lymphoma 3-encoded oncoprotein suggestthe encoded protein may act as a transcriptional cofactor and be involved inthe regulation of DNA transcription and replication.
<b>Form</b>	Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
<b>Molecular Weight</b>	34.3 kDa (310aa)confirmed by MALDI-TOF
<b>Purity</b>	> 95%by SDS-PAGE
<b>Concentration</b>	1 mg/ml (determinedby Bradford assay)
<b>Sequences of aminoacids</b>	MGSSHHHHHHSSGLVPRGSH MGSSKKVTLVLSREQSEGV GARVRRSIGR PELKNLDPFL LFDEFKGGRRPGGFPDHPHRG FETVSYLLEG GSM AHEDFCG HTGKMNPGDL QWMTAGRGIL HAEMPCSEEP AHGLQLWVNLRSSEK MVEPQ YQELKSEEIP KPSKDGVTVA VISGEALGIK SKVYTRTPTL YLDFKLDPGA

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KHSQPIPKGWTSFIYTISGD VYIGPDDAQQ KIEPHHTAVL GEGDSVQVEN  
 KDPKRSHFVL IAGEPLREPV IQHGPFVMNTNEEISQAILD FRNAKNGFER  
 AKTWKSKIGN

**Storage**

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoidrepeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

PIR pirin (iron-binding nuclearprotein) [ Homo sapiens ]

**Official Symbol**

PIR

**Synonyms**

PIR;pirin (iron-binding nuclear protein); pirin; probablequercetinase; probable quercetin 2,3-dioxygenase PIR

**Gene ID**

8544

**mRNA Refseq**

NM\_001018109

**Protein Refseq**

NP\_001018119

**MIM**

603329

**UniProt ID**

O00625

**Chromosome  
Location**

Xp22.2

**Function**

metal ion binding;oxidoreductase activity; protein binding; quercetin 2,3-dioxygenase activity;transcription cofactor activity

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