

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

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

SPECIFICATION

Product Overview	Recombinant humanPIR protein,fused to His-tag at N-terminus, was expressed in E. coli and purified byusing conventional chromatography.
Species	Human
Description	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.
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Weight	34.3 kDa (310aa)confirmed by MALDI-TOF
Purity	> 95%by SDS-PAGE
Concentration	1 mg/ml (determinedby Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSSKKVTLS VLSREQSEGV GARVRRSIGR PELKNLDPFL LFDEFKGGRRPGGFPDHPHRG FETVSYLLEG GSMAHEDFCG HTGKMNPGDL QWMTAGRGIL HAEMPCSEEP AHGLQLWVNLRSSSEKMVEPQ YQELKSEEIP KPSKDGVTVA VISGEALGIK SKVYTRTPTL YLDFKLDPGA

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KHSQPIPKGWTSFIYTISGD VYIGPDDAQK 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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