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 LFDEFKGGRPGGFPDHPHRG FETVSYLLEG GSMAHEDFCG HTGKMNPGDL QWMTAGRGIL HAEMPCSEEP AHGLQLWVNLRSSEKMVEPQ YQELKSEEIP KPSKDGVTVA VISGEALGIK SKVYTRTPTL YLDFKLDPGA

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	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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