

AR50238PU-S**Human Pirin / PIR (1-290, His-tag) - Purified**

Alternate names:	3-dioxygenase PIR, Probable quercetin 2, Probable quercetinase
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	O00625
NCBI:	NP_001018119
GeneID:	8544
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant human PIR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHHH SGLVPRGSH MGSSKKVTLV VLSREQSEGV GARVRRSIGR PELKNLDPFL LFDEFKGGRP GGFDPHPRG FETVSYLLEG GSMAHEDFCG HTGKMNPGDL QWMTAGRGIL HAEMPCSEEP AHGLQLWVNL RSEKMEVEPQ YQELKSEEIP KPSKDGVTVA VISGEALGIK SKVYTRPTL YLDFKLDPGA KHSQIPKGW TSFIYTISGD VYIGPDDAQQ KIEPHHTAVL GEGDSVQVEN KDPKRSHFVL IAGEPLREPV IQHGPFVMNT NEEISQAILD FRNAKNGFER AKTWKSKIGN Molecular weight: 34.3 kDa (310aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Gelbman B.D., et al. (2007) Respir. Res. 8:10-10Licciulli S., et al. (2010) Leukemia. 24:429-437