

Recombinant Human Pirin/PIR protein ab123170

1 Image

Description	
Product name	Recombinant Human Pirin/PIR protein
Purity	> 95 % SDS-PAGE. ab123170 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>O00625</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSH MGSSKKVTL SVLSREQS EGVGARVRRSIGR PELKNLDPFLLFDEFKGGRPGGFPDHPHRGFETVSYLLE GGSMAHEDFCG HTGKMNPGLQWMTAGRGILHAEMPCSEEPAHGLQLWV NLRSSSEKMVEPQ YQELKSEEIPKPSKDGVTVAVISGEALGIKSKVYTRPTLYL DFKLDPGA KHSQPIPKGWTSFIYTISGDVYIGPDDAQKKIEPHHTAVLGE GDSVQVEN KDPKRSHFVLIAGEPLREPVIQHGPFVMNTNEEISQAILDF RNAKNGFER AKTWKSKIGN
Predicted molecular weight	34 kDa including tags
Amino acids	1 to 290
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab123170 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF

Form	Liquid
Additional notes	Previously labelled as Pirin.

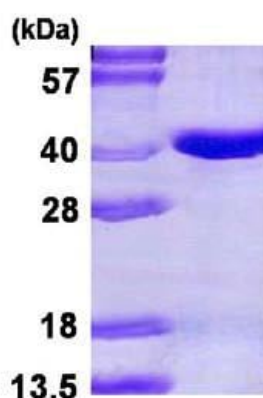
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	Possible transcriptional coregulator. May contribute to the regulation of cellular processes via its interaction with BCL3. May be required for efficient terminal myeloid maturation of hematopoietic cells. May play a role in the regulation of cell migration. May promote apoptosis when overexpressed. Has quercetin 2,3-dioxygenase activity (in vitro).
Tissue specificity	Highly expressed in a subset of melanomas. Detected at very low levels in most tissues (at protein level). Expressed in all tissues, with highest level of expression in heart and liver.
Pathway	Flavonoid metabolism; quercetin degradation.
Sequence similarities	Belongs to the pirin family.
Cellular localization	Nucleus. Cytoplasm. Predominantly localized in dot-like subnuclear structures. Cytoplasmic localization of PIR seems to positively correlate with melanoma progression.

Images



15% SDS-PAGE showing ab123170 at approximately 34.3kDa (3µg).

SDS-PAGE - Recombinant Human Pirin/PIR protein
(ab123170)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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