

Product datasheet for **SC307814**

PYHIN1 (NM_198928) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PYHIN1 (NM_198928) Human Untagged Clone
Tag:	Tag Free
Symbol:	PYHIN1
Synonyms:	IFIX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307814 representing NM_198928.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCAAATAACTACAAGAAAATTGTTCTACTGAAAGGATTAGAGGTCATCAATGATTATCATTTTAGA
ATTGTTAAGTCCTTACTGAGTAACGATTTAAACTTAATCCAAAAATGAAAGAAGAGTATGACAAAATT
CAGATTGCTGACTTGATGGAGGAAAAGTTCCAGGTGATGCCGGTTTGGGCAAACATAATAGAATTCCTC
AAAGAAATACCAACACTGGGAGACCTTGCTGAAACTCTTAAAGAGAAAAAGTTAAAGTCAAAGGAATA
ATCCCCTCTAAAAAGACGAAACAGAAAGAGTGTATCCTGCTACACCTGCATGCACCCCAAGCAACCGT
CTCACAGCTAAAGGAGCAGAGGAGACTCTTGACCTCAGAAAAGAAAAAACCTCTGAAGAAGAGACT
GGAACCAAAAGGAGTAAGATGTCCAAAGAGCAGACTCGGCCTTCTGCTCTGCAGGAGCCAGCACGTCC
ACAGCCATGGGCCGTTCCCACTCCCAAGACCTCATCATCAGCTCCACCAACACTTCCTCACTGAG
AGCCTAAACCATTTGGCAACCGTCACGCAACTGCCAGTAAAAATATTTCCGAGAAGACCAATAATC
GCGATGGTACTAAATGCAACAAAAGTATTTAAATATGAATCCTCAGAAAATGAGCAAAGAAGATGTTT
CATGCTACAGTGGCTACGCAGACACAGTTCTTTTATGTGAAGGTTTTAAACATCAACTTGAAGAGGAAA
TTCATTAAGAGAGAAATCATCATTATATCAAAATTATCCAAACGTAATAGTCTCCTAGAGGTGAATGAA
GCCTCTTCTGTATCTGAAGCTGGTCTGACCAACGTTTGAGGTTCCAAAGGACATCATCAGAAGAGCA
AAGAAAATTCGAAGATCAATATTTTACAAACAACTTCAGGATATATTGTATATGGATTATTTATG
CTACATACGAAAATTGTAATAGGAAGACGACAATCTATGAAATTCAGGATAAAACAGGAAGTATGGCT
GTAGTAGGAAAAGGAGATGCCACAATATCCCTGTGAAAAAGGAGATAAGCTTCGACTCTTCTGCTTT
CGACTGAGAAAAGGGGAAAATATGTCAAACTGATGTGAGAAATGCATAGTTTCATCCAGATACAGAAA
AATACAAACCAGAGAAGCCATGACTCCAGGAGCATGGCACTACCCAGGAACAGAGTCAGCATCCAAAA
CCTTCAGAGGCCAGCACAAACCTACCTGAAAGCCATCTCAAGACTCCTCAGATGCCACCAACACCCCA
TCCAGCAGTTCCTTCACCAAGAAGGATGAAACCCACCCAGGAGCACAGTCATCGCTGCAAACTTTAGA
ATCACCTACCAACTGTGGCCCTCCTCTTTCTTCTGACACTTCCACCAACCGCCATCCAGCAGTTCCT
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_198928

Insert Size: 1452 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_198928.4](#)

RefSeq Size: 2093 bp

RefSeq ORF: 1452 bp

Locus ID: 149628

UniProt ID: [Q6K0P9](#)

Cytogenetics: 1q23.1

MW: 54.1 kDa

Gene Summary: The protein encoded by this gene belongs to the HIN-200 family of interferon-inducible proteins that share a 200-amino acid signature motif at their C-termini. HIN200 proteins are primarily nuclear and are involved in transcriptional regulation of genes important for cell cycle control, differentiation, and apoptosis. Downregulation of this gene is associated with breast cancer. This protein acts as a tumor suppressor by promoting ubiquitination and subsequent degradation of MDM2, which leads to stabilization of p53/TP53. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2) uses an alternate, in-frame acceptor splice site at an internal coding exon compared to variant 1. This results in a shorter isoform (alpha 2) missing a 9 aa protein segment compared to isoform alpha 1.