

Product datasheet for **SC115410**

PEF1 (NM_012392) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEF1 (NM_012392) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEF1
Synonyms:	ABP32; PEF1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012392, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAGCTATCCTTACCGGCAGGGCTGCCAGGAGCTGCAGGACAAGCACCAGGAGCCCTCCGGGTA
GCTACTACCCTGGACCCCAATAGTGGAGGGCAGTATGGTAGTGGGCTACCCCTGGTGGTGGTTATGG
GGGTCCTGCCCTGGAGGGCCTTATGGACCACCAGCTGGTGGAGGGCCCTATGGACACCCCAATCCTGGG
ATGTTCCCTCTGGAACCCAGGAGGACCATATGGCGGTGCAGCTCCCGGGGGCCCTATGGTCAGCCAC
CTCCAAGTTCCTACGGTGCCAGCAGCCTGGGCTTTATGGACAGGGTGGCGCCCTCCCAATGTGGATCC
TGAGGCCTACTCCTGGTCCAGTCGGTGGACTCAGATCACAGTGGCTATATCTCCATGAAGGAGCTAAAG
CAGGCCCTGGTCAACTGCAATTGGTCTTCATTCAATGATGAGACCTGCCTCATGATGATAAACATGTTTG
ACAAGACCAAGTCAGGCCGATCGATGTCTACGGCTTCTCAGCCCTGTGGAATTCATCCAGCAGTGGA
GAACCTCTCCAGCAGTATGACCGGGACCGCTCGGGCTCATTAGCTACACAGAGCTGCAGCAAGCTCTG
TCCCAATGGGCTACAACCTGAGCCCCAGTTCACCCAGCTTCTGGTCTCCCGCTACTGCCACGGCTCTG
CCAATCCTGCCATGCAGCTTGACCGCTTCATCCAGGTGTGCACCCAGCTGCAGGTGCTGACAGAGGCCTT
CCGGGAGAAGGACACAGCTGTACAAGGCAACATTCGGCTCAGCTTCGAGGACTTCGTCCCATGACAGCT
TCTCGGATGCTATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012392 unedited GCACGAGGCTCGTGCCGAATTCGGCACGAGGGCCAGCTATCCTTACCGGCAGGGCTGCC CAGGAGCTGCAGGACAAGCACCAGGAGCCCCTCCGGGTAGCTACTACCCTGGACCCCCCA ATAGTGGAGGGCAGTATGGTAGTGGGCTACCCCTGGTGGTGGTTATGGGGTCTTGCC CTGGAGGGCCTTATGGACCACGAGCTGGTGGAGGGCCCTATGGACACCCAATCCTGGGA TGTTCCCTCTGGAATCCAGGAGGACCATATGGCGGTGCAGCTCCCGGGGGCCCTATG GTCAGCCACCTCAAGTTCCTACGGTGCCAGCAGCCTGGGCTTTATGGACAGGGTGGCG CCCTCCCAATGTGGATCCTGAGGCCTACTCCTGGTTCCAGTCGGTGGACTCAGATCACA GTGGCTATATCTCCATGAAGGAGCTAAAGCAGGCCCTGGTCAACTGCAATTGGTCTTCAT TCAATGATGAGACCTGCCTCATGATGATAAACATGTTTGACAAGACCAAGTCAGGCCGCA TCGATGTCTACGGCTTCTCAGCCCTGTGGAAATTCATCCAGCAGTGAAGAACCTCTTCC AGCAGTATGACC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012392 unedited ATTGGAAGCTTACAATTTCACTGGACTTTTGGCCCCAAATGAAAAAATGCAATTA AAAGTTTGGCAGGAGAGGTGACCACTGTCTCCTGGAGACTGAAGCCGAGCAGAGCATGG CAGGCAAGTGAGGGTCCAGCTGCAGAGGGCAGAAGCCTGGCCAAAGATGCCAGGGAG CAGATTTGTCTGAGCAGGGCCAGCCCCAGGAGCTAGAAGTTAACACACAAGGATTTATG GGTGTGGCAGAATCCAAGCCACTGGTCCCATAGACAGATCTCTCTCATGTTGGTCAGAT TCCACTTTGGAGAAAATGGGCTCGTTTGACAGGATGGCCTGGTGGGGAACACAGGTA AACGGTAACAGGCCGATGAACACTCACCCTGGCATCAGGGTGGAGCTCAGCTGACTGGA CACTAACTCCATTACAAGACCTGCTCCTGGTGCAGGCTGTGCCACTCAACTGCTCATG GCCATCANGACATTCAACTTCTATCCTCTCCTCCATCANGCCCCTATCTGTGTGGCTCA GCCCGGTCTCACTATNTGGTGGCTATGATGCAGGGACTCTCCACCTCTTTGGACAGT GTNGCATCAAGCAAGGGAGAATGTCCTTCTAGAGGGACAGGGAAAAGAAGATGTCCACA TACTTCTCTCACTCNTAGAAAGCAGGAAAGTCCCTGGTGCCTCCACTCCTCACAGATG GGTTGGGTATAGCATCCGAGAAGCTGTCATGGTGACAAAGTCTCCAAGCTGAACCCGAT GTTGCCTTGTTCAGCTGGGTTCTCTTCCCGGAAGGCCTTTGTACAACCTGCATTGGG TGCACACCTTGAATGAACCGTCCAACCTCATTGCAGGATTGCCACACCGGGGCAATTACG GAAACCAAACCTGTGGAACGGNGGCCTAAGTTGTACCCATTTTGGACCAACCTGGTTGA ACTTTGGGTACTTATGGAACCAAGCGCCGGGACTTCTGTTGAAAAGGTTTTACTGGT GGAGGAGATTCGAAGGGTGAACCTTACATCTATGCGGCTGCTGCTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_012392
Insert Size:	1920 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).
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_012392.1](#), [NP_036524.1](#)

RefSeq Size: 1641 bp

RefSeq ORF: 855 bp

Locus ID: 553115

UniProt ID: [Q9UBV8](#)

Cytogenetics: 1p35.2

Domains: EFh

Gene Summary: This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. The encoded protein has been shown to form a heterodimer with the programmed cell death 6 gene product and may modulate its function in Ca(2+) signaling. Alternative splicing results in multiple transcript variants and a pseudogene has been identified on chromosome 1. [provided by RefSeq, May 2010]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).