

Product datasheet for **SC305403**

PLEKHN1 (NM_032129) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHN1 (NM_032129) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHN1
Synonyms:	CLPABP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305403 representing NM_032129.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGGAACAGCCACTGTGTCCCTCAGGCCCCAGGAGGCTCCGGGCTCCTTCTCCAGAAAGCCCTCG
CTGAAGGGAACAGAGAGGACAGCGCGCGATGTCCGGCCGCTGCCGGGCCGAGGCTGCTCGAAGC
GGGACGCCCGCCCAACAAGCTTTCCACTACATCCCGGACACGACATCCTGGACCTGGAGAACCAG
CGAGAAAACCTGGAGCAGCCATTCTGAGTGTGTTCAAGAAGGGCGCGGAGGGTGCCTGTGAGGAAC
CTGGGAAAAGTTGTGCATTACGCCAAGGTCCAGCTGCGGTTCCAGCACAGCCAGGATGTACGCGACTGC
TACCTGGAGCTATTCCCCGCCACCTGTACTTCCAGGCCACGGCTCGGAAGGACTCACATTTACGGGG
CTGTTACCGCTGACGGAGCTGAGTGTCTGCCGCTCGAGGGTCCCAGAGCACGCTTCCAGATCACA
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TCCGAGGAGCTGGACGGCTTTGCTTCAAGGGGAGCTCCCACTCCGTGCCGTCCACATCAACCTGGAG
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ACACCACCCGCCACCTCCACCGCAGGGTCACAGATGTCCGGGGCTGGAGGAGTTCTCAGTGCCATG
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CCTCGCTCCTGCTCTCCGGCCCCGCTGGCCCTACTTGTCTCCAAGAAGGGAGCCCTGCAGTCCAGA
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TCCTCTGCCAGGAAGGTTCCGCCGAACCTGGCTGCCTCTGACAGATGGTGGTCCCCAGGAGGAGC
CGGGACCCCGGCTACGACCACCTCTGGGACGAGACTTTGTCTTCTCCACCAGAAGTGGCCCCAGCTT
GGAGGGCTGAGGCCAGTGGGGGCTTGTGCACTGGATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_032129

Insert Size: 1836 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:	<u>NM_032129.2</u>
RefSeq Size:	2404 bp
RefSeq ORF:	1836 bp
Locus ID:	84069
UniProt ID:	<u>Q494U1</u>
Cytogenetics:	1p36.33
MW:	66.4 kDa
Gene Summary:	Controls the stability of the leptin mRNA harboring an AU-rich element (ARE) in its 3' UTR, in cooperation with the RNA stabilizer ELAVL1 (PubMed:29180010). Decreases the stability of the leptin mRNA by antagonizing the function of ELAVL1 by inducing its atypical recruitment from the nucleus to the cytosol (By similarity). Binds to cardiolipin (CL), phosphatidic acid (PA), phosphatidylinositol 4-phosphate (PtdIns(4)P) and phosphatidylserine (PS) (PubMed:18191643). Promotes apoptosis by enhancing BAX-BAK hetero-oligomerization via interaction with BID in colon cancer cells (PubMed:29531808) (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).