

Product datasheet for **SC215441**

ProDynorphin (PDYN) (NM_024411) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ProDynorphin (PDYN) (NM_024411) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDYN
Synonyms:	ADCA; PENKB; SCA23
ACCN:	NM_024411
Insert Size:	1594 bp



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Insert Sequence: >SC215441 3'UTR clone of NM_024411
 The sequence shown below is from the reference sequence of NM_024411. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTTACTCTGGAGAGCTTTTTGATGCATAAGCACCTCTTTTCATGGAGTAGAGTCAGGAGAAACCCCTG
ACACCTTTTCAGTTGGAGTGCATTTCATCCTCTTATATGTGCCCTTCCCCATGCTCAGCTCAGC
ATTGTGTACAAAATATCCAAGCCAGCCTATCTCTCTTCTGCGTGGGAGTATGTTATTTCTCTGGGGTC
TGTGATGGGGAAGGGTGGATGTCCTTCCCCACAATAGGCTTAGTGCTTGGCTCAGACACCTAGACTCT
AAAATATCAGCAGCGGCAGCAGCAGCAGCAGCAGCAGTGTGTGATCTGCTTCCAACCTGTTACAGT
GACTCCTCAATCCAGGGAACCAGAGCGATGTGTTCTTTGTACCTGTAGGTCTATGATGTCCAAACTTA
ACAGATCATATGCCCTCTTAGAAGAAAATAGAGCATGCTCCCTCATGCAGATAGTATACACATCATAA
ACAAAGAGTAGAACTTTAAAAGAAGGTAATAATCATAACAGAAATCCTAACATTATATTTCCAAATC
TCAAAAGATCTCCTGTGCACCTGACTTTGGAGACGATGCTTAGGTAAAAGCTTAAACATTGCCTTAT
ATTGGATCAGGAACCCCTTACAGTAGAGGGTCCAGTCTTCTAGTGGGTTTAAATGTTTAGTCAGTGTACTC
TGAGTCTCATTGTTTCAGAAAAGCACCTTGAAGAACTGACTTCTGAACTCCCAGTCATGTTGGTAC
CCTGGACAGTGCCTAACTCCTTACAGAAGGGAGTGAAAACCTCTTTCCGAAATGATTGAGAGCAGCCTC
TTGAATGCTTAAATGATCAAGGAGGGAGAAAGGCAACCAATTTGTTCTGTGCAACAACTCAAAATGT
GGACCAGTTCCCTCAGCCCTCATTAAACTAATTAAGTATGATGGGTATCATGCTTCTACTCCATGGTGAA
CTGAAGCAGAGTCAAGCTGATGAAGTTAAGCACAAACATGTTCTTGAGCAGCTGAATTGGCTGCCAAGA
GTCCAAAGCCATCTGGCCCAACATACGCACTGGGCATTGGGTAAGGGACTCCAGAAGCAGCAGCTAGAAA
GAGAAAAAGCCCTCTTCAATCCCCATAATGCTTCTTTCCCTTAAATGTCTCAAAATAAAACCAGAAAGA
GGAATAAAATGATTAAGTCTTGAAGCCAAATGAGTTCCTTGATTCAAATAACCCTGAATCAGAGGCA
GAGACCTCCTGATGTCTTGGTTCCATCAAAGCCCTCCCTGTCTGTCTCTCTCTTTTGTCTCTCAT
TCCCAGGCACTCTCTTTGGTTTGTGGTCCAGGAGATGAGGCTGGATAGGAGAGGAAAAGGCTTGAGT
CTGGATAATTTGTATAAGATGCTGCTGAGCACATCTTTCATGCGCAGTCCCAGGTATCTGATGATGT
TCTGAAATGGATAGATTGTTTTAGAGTTATTTGTGCTTTAAAAAAATCCCATTTATGCAATTTACT
TGGAAATTTGCTTAGCCTTAAATAGGCTTGTGAATTTCTGCTCCTCCAGTACAATAAATAAAAGAAAG
ATGCTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_024411.5](#)

Summary: The protein encoded by this gene is a preproprotein that is proteolytically processed to form the secreted opioid peptides beta-neoendorphin, dynorphin, leu-enkephalin, rimorphin, and leumorphin. These peptides are ligands for the kappa-type of opioid receptor. Dynorphin is involved in modulating responses to several psychoactive substances, including cocaine. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2010]

Locus ID: 5173

MW: 59.4