

## Product datasheet for **SC213648**

### Encephalopsin (OPN3) (NM\_014322) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Encephalopsin (OPN3) (NM_014322) Human 3' UTR Clone
Symbol:	Encephalopsin
Synonyms:	ECPN; PPP1R116
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014322
Insert Size:	1334 bp



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**Insert Sequence:** >SC213648 3'UTR clone of NM\_014322  
 The sequence shown below is from the reference sequence of NM\_014322. 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
GTTGATGTAATCCAAGTTCGTCCTTTGTAGGAATGAAGAATGGCAACGAAAGATGGGCCTTAAATTGG
ATGCCACTTTTGGACTTTCATCATAAGAAGTGTCTGGAATACCCGTTCTATGTAATATCAACAGAACCT
TGTGGTCCAGCAGGAAATCCGAATTGCCATATGCTCTTGGGCCTCAGGAAGAGGTTGAACAAAAACAA
ATTCTTTTAATCAACGGGTGCTTTACATAATGAAAAACCACTTGTGGCACACGATGGGCATCTAACA
TCATCATCTTCTAATGTGTTGGAGATTTTCATTTCAAATATATTTTTTAAATTACTCTATTTTCAAAA
CACGTAATGCATTTTTCTCGAAAATACCTTACTGTAAAAATAACTGTCGCGTACACATGTGTGAAGTAG
CTAGAACATACTGAATTTTTTGTACTGTTGGACTCTATTAGTGTGTCATGTCCTATATCTGATCAAGT
TATCAAGGAGATAATTCTAGAATGAAAAAGAAAATCCTCTTGTTGAAACAAAAGACGTTTTATATGTG
CAGTATGACAAAGAGGAGTTTCAGAGACAACTTTGAATCCTTGTGAGCCTGGAGACCAGCACCAGAGGA
ATCTACAAGGCAAACTCCCATATATTTGCTTCCCCCAAATTGCTGCCCTACAGACTCAAAGCTCTTTT
TCTTTGTTTTGTTGTTTCTAAAAATTTACTGTTCTTTGTGCGATGCTATATAAGCCAGGGAGTTCTAA
GACGCCAGCTCTTTGAGATTTGCTCATTCCCCTGTATTTCCACATATATATTACATATACCCGCTAAT
AAATTTATGTTTGTCTTTCTCTGTCAATCTGTCTTTGTTATAGGGGCCCCAGCCAAGGAACCTAAAG
TGGGTAGAAGGAAAAATATTTTTTCTTCCCTACAACTGAACATGGATTATTAGAAGTCAAGGTTTT
CATTGACAATATAGAAAAAGAACTGAATCATTTTATTTTATTGCCAATTTTTATTTCTTATATGAC
TCTAGTGTTCATCTTCATAATTAATCATGTTTGAAGGATTTCTGAGTACTCAGCAGCCTGTTAAAGA
AGGATGAACCAAGAAAACATTTCACTAAATGTGCTTTTTAAAAATCAAGTGTATTGCTGGTCTGCTGC
AGTATGTAGTCGAAGAATAAATTAGTAAATTGCTTCTGAGGGTCTGAAATTGAATAAAGTAAATGGCTTT
GTATTTCTATAAAAGTTGCTCCCTTGTTCCTTTCCATTCTGGCACATGTAGACATTTAATTTATGA
ATAAAACCCTTCTGCTCTTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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\\_014322.3](#)

**Summary:** Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. In addition to the visual opsins, mammals possess several photoreceptive non-visual opsins that are expressed in extraocular tissues. This gene, opsin 3, is strongly expressed in brain and testis and weakly expressed in liver, placenta, heart, lung, skeletal muscle, kidney, and pancreas. The gene may also be expressed in the retina. The protein has the canonical features of a photoreceptive opsin protein. [provided by RefSeq, Jul 2008]

**Locus ID:** 23596

MW: 51.8