

## Product datasheet for **SC214449**

### Optineurin (OPTN) (NM\_001008211) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Optineurin (OPTN) (NM_001008211) Human 3' UTR Clone
Symbol:	Optineurin
Synonyms:	ALS12; FIP2; GLC1E; HIP7; HYPL; NRP; TFIIIA-INTP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001008211
Insert Size:	1440 bp



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**Insert Sequence:** >SC214449 3'UTR clone of NM\_001008211  
 The sequence shown below is from the reference sequence of NM\_001008211. 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
CAGATTACAGTGATGGATTGCATCATTAAAGTGTGATGTACACCTCCCCAAAAGTGTGGTAAATGT
CAGATTTTTCTCCAAGAGTTGTGCTTTTGTGTATTTGTTTTCACTCAAATATTTTGCCTCATTATT
CTTGTTTTAAAAGAAAGAAAACAGGCCGGGCACAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGG
TCGAGGTGGTGGATCAGTTGGGGTCCAGGGTTGAGACCAGCCTGGCCAACATGGCGGAACCCTGTCTC
TACCAAATTACAAAATTAGCCGAGCATGGTGGCGCATGCCTGTAGTCGAGCTACTCGCGAGTTGA
GGCAGGAGAATTGCTTGAACCCAGGAAGTGGCAGTTGCAGTGAGCCGAGACGACCACTGCCTCCAG
CCTGGGTGACAGAGGGAGACTCTGTCTCGAAAAGAAAGAAAGAAAAGGAAGGAGAAGGAAGGA
AGGAGAAGAAAAGGTACCTGTTCTACGTAGAACACCTTTGGTGGAGTTCCATCAACTCGCAAAGTAGAA
TCCTTACCTACTACTCTTCTGATAATAATTTTAAATATTTTTATGTTTGGTTGATGCGAGAGCTGCAC
TGCTCATGCAGTTAGCTAGCATGTGACATCATGTGACAAAAGTTTCAATGTAATTAGATGGAAGAAACCTCA
CTGATTAATTTTAAAGAACCTTTTAGGGATGCAGGAACAATGAAGTGGCCACAGTATGTGCTGTTTTTGA
AGCATTTTTAAAACGAATTGTAGTTGTTTTTCTTCATTTAAAATGGATCTGTTGGAGGTTATGTGTGT
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AGATAATTAATTTCTAAAAGAACAGCTGCCTATTTTCTCCTAGGTTAGGTTATATCTTCATAATCAC
AAGAATTAGTGATGGCAAATAAAAATTTTGCTTATGAATCTTTTACATTGTTTATATGATTAATATC
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ATTAGTTCTATGGATATGAGCAGATCCCTTTACTGGAGCCAGTATGTGCTGTGTGAGTTAGAAGTCAT
TCTTGCTGAGAAGGTGAATAGGTAGGGATTTGCCTTGTGTTTGAAGTCTACAATTTGCCAAGAGTAAAT
AACACTGGACCAGCTGTAAGTAAACAGTGTGTTTATGCATTGAGATACTAAAGCATT
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATCCACCGCCCTTCTATGAAAGG
  
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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\\_001008211.1](#)

**Summary:**

This gene encodes the coiled-coil containing protein optineurin. Optineurin may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and transcription factor IIIA proteins. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

**Locus ID:**

10133

**MW:**

55