

Product datasheet for **SC201005**

NPR2L (NPRL2) (NM_006545) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: NPR2L (NPRL2) (NM_006545) Human 3' UTR Clone
Symbol: NPR2L
Synonyms: FFEVF2; NPR2; NPR2L; TUSC4
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_006545
Insert Size: 306 bp
Insert Sequence: >SC201005 3'UTR clone of NM_006545
 The sequence shown below is from the reference sequence of NM_006545. 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
GACCCCAACATCATCATCTGCTGGAAGTGAGGCTGGTAGTGACTGGATGGACACATTGCTGTGGGTAGT
CCCTCCTACTAGGAGGCTTGTCTACTGTCTAGAGTTGACTCTTAGTTCTGTAATAAAGACATCCAT
TTCAAACAGCCTTTATTGAGTGCTGTTTCTGGGCCAGCCGTGGGAGACCCAGCAGTGAATGAAATAGCC
ACGAGCCGTGGGCTAGATCGCCATCTGGTGGCCAGGACCGACAATCGACAAATAAAAGTGCCGGTTAAT
TACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: Sgfl-Mlul

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_006545.5](#)



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Summary:

As a component of the GATOR1 complex functions as an inhibitor of the amino acid-sensing branch of the TORC1 pathway. The GATOR1 complex strongly increases GTP hydrolysis by RRAGA and RRAGB within RRAGC-containing heterodimers, thereby deactivating RRAGs, releasing mTORC1 from lysosomal surface and inhibiting mTORC1 signaling. The GATOR1 complex is negatively regulated by GATOR2 the other GATOR subcomplex in this amino acid-sensing branch of the TORC1 pathway.[UniProtKB/Swiss-Prot Function]

Locus ID:

10641

MW:

11.3