

Product datasheet for SC201005

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OriGene Technologies, Inc.

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

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

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

TACAAAAAAAAAAAAAAAAAAAAAAAA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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).

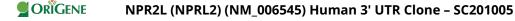
Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

RefSeq: <u>NM 006545.5</u>





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