

Product datasheet for RG200328

OriGene Technologies, Inc.

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Neuronatin (NNAT) (NM_005386) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Neuronatin (NNAT) (NM_005386) Human Tagged ORF Clone

Tag: TurboGFP Symbol: Neuronatin

Synonyms: Peg5

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG200328 representing NM_005386

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GTGTTGGGGGAGCGCAGCAGCGAGCCCCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200328 representing NM_005386

Red=Cloning site Green=Tags(s)

MAAVAAASAELLIIGWYIFRVLLQVFLECCIYWVGFAFRNPPGTQPIARSEVFRYSLQKLAYTVSRTGRQ

VLGERRQRAPN

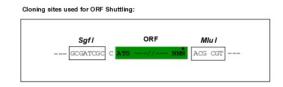
TRTRPLE - GFP Tag - V

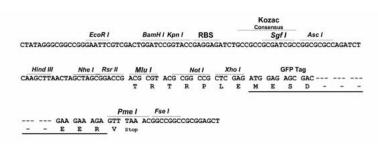
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_005386

ORF Size: 243 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: NM 005386.4

RefSeq Size: 1338 bp



 RefSeq ORF:
 246 bp

 Locus ID:
 4826

 UniProt ID:
 Q16517

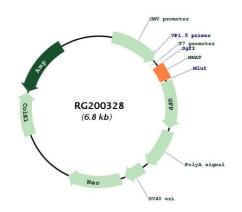
 Cytogenetics:
 20q11.23

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a proteolipid that may be involved in the regulation of ion

channels during brain development. The encoded protein may also play a role in forming and maintaining the structure of the nervous system. This gene is found within an intron of another gene, bladder cancer associated protein, but on the opposite strand. This gene is imprinted and is expressed only from the paternal allele. [provided by RefSeq, Apr 2016]

Product images:



Circular map for RG200328