

Product datasheet for **RG215861**

NRBP2 (NM_178564) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRBP2 (NM_178564) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NRBP2
Synonyms:	pp9320; TRG16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215861 representing NM_178564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGCGCTGGAGATGGCTGTACTGAAATCCAGACCAATGGGGACACCCGGGTACAGAGGAGGCCA
TTGCTCGCGCCAGGCACTCGCTGAGTGACCCCAACATGCGGGAGTTCATCCTTTGCTGCCTGGCCCGGA
CCCTGCCCGCCGCCCTTGCCACAGCCTCCTTCCACCGGTGCTCTCGAGGTGCACTCGCTGAAG
CTCCTGGCAGCCACTGCTTCATCCAGCACCAGTACCTCATGCCTGAGAATGTGGTGGAGGAGAAGACCA
AGGCCATGGACCTGCACGCGGTCTGGCGGAGCTTCCCGGCCCGCAGGCCCGCTGCAGTGGCGGTA
CTCGGAAGTCTCCTTCATGGAGCTGGACAAATTCCTGGAGGATGTCAGGAATGGAATCTACCCACTGATG
AACTTTGCAGCCACTCGACCCCTGGGGTGCCTGGTGTGCTGGCCCAACCCCGGAGGAGGTCCAAAAGG
CCAAGACCCCGACGCCAGAGCCCTTTGACTCTGAGACCAGAAAGGTATCCAGATGCAGTGAACCTGGA
GAGAAGCGAGGACAAGGCGCGCTGGCATCTCACTCTGCTTCTGGTGTGGAAGACCCGGCTGCACCGGCGAG
CTGACCTACGACTGCTCCCAACGGACAGCGCCAGGACCTCGCCTCGGAGCTCGTGCACTATGGCTTCC
TCCACGAGGACGACCGGATGAAGCTGGCCGCTTCTGGAGACCTTCTCAAGTACCGTGGGACCCA
GGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG215861 representing NM_178564
 Red=Cloning site Green=Tags(s)

MCALAMAVLEIQTNGDTRVTEEAIARARHSLSDPNMREFILCCLARDPARRPSAHSLLFHRVLFVHSLK
 LLAHCFIQHQYLMPEENVVEEKTAMDLHAVLAELPRRRPPLQWRYSEVSFMELDKFLEDVRNGIYPLM
 NFAATRPLGLPRVLAPPPEEVQKAKTPTPEPFDETRKVIQMOCNLERSEDKARWHLTLLLVLEDRLHRQ
 LTYDLLPTDSAQDLASELVHYGFLHEDDRMKLAAFLESTFLKYRGTQA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178564

ORF Size: 774 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_178564.2](#), [NP_848659.1](#)

RefSeq Size: 3538 bp

RefSeq ORF: 1506 bp

Locus ID: 340371

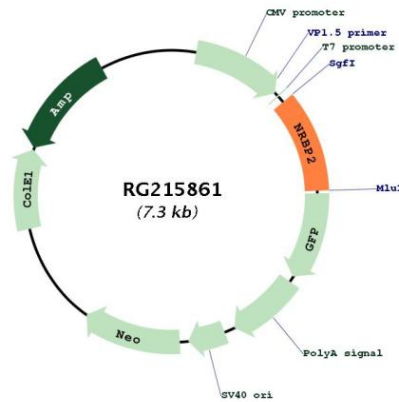
UniProt ID: [Q9NSY0](#)

Cytogenetics: 8q24.3

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: May regulate apoptosis of neural progenitor cells during their differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215861