

Product datasheet for **RG208635**

N4BP3 (NM_015111) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	N4BP3 (NM_015111) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	N4BP3
Synonyms:	LZTS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208635 representing NM_015111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACAGCCCAGGCCCTGCTGGCATTGCCATGGGCAGCGTGGGCAGCCTGTTGGAACGGCAGGACT
 TCTCCCTGAAGAGCTGCGGGCGGCACTTGCCGGGTCTCGGGGCTCCCGCCAGCCTGATGGGCTCCTCCG
 GAAGGGCTTGGGCCAGCGTGAGTTCCTCAGCTACCTGCACCTCCCAAGAAGGACAGCAAGAGCACAAG
 AACACCAAGCGGGCCCTCGGAACGAGCCTGCCGACTATGCCACCTCTACTACCGGGAACATTCTCGCG
 CGGGTACTTCAGCAAGACCTCGCTGCCAGAACGGGTGCTTTGACAAGTGCCGATTGCCCCCTCAGT
 GTTCAAGCTACGGCGGCAACGGAAAGGTTCTATCCATGCAAAGCCTGGCGTCCCACAAAGGCCAG
 AAGCTGTGGCGCAGCAATGGCAGCCTGCACACGCTGGCCTGCCACCCGCCCTGAGCCCCGGGCCCAGG
 CCAGCCAGGCCCGGCACAGCTGCTGCACGCCCTCAGCCTAGATGAGGGCGGCCCTGAGCCCAGGCCAG
 CCTGTCCGACTCCTCCAGTGGGGTAGTTTTGGTGCAGTCCTGGTACTGGCCCTAGCCCCTCAGCTCC
 TCCTTGGCCACCTTAACCACCTCGGGGCTCCCTGGACCGGGCCTCTCAAGGACCAAGGAGGCTGGGC
 CACCAGCTGTGCTGAGCTGCCTGCCGAGCCACCACCCCTACGAGTTCCTGCTCCTCTGCCGAGGA
 AATGGGAGCCGTGCTGCCGAGACCTGTGAGGAGCTCAAGAGGGGCTTGGCGATGAGGACGGCTCCAAC
 CCCTTACGCAGGTGCTGGAGGAGCGCCAGCGGCTGTGGCTGGCTGAGCTGAAGCGCCTGTATGTGGAGC
 GGCTGCACGAGGTGACCCAGAAGGCTGAGCGCAGCGAGCGCAACCTCCAGCTGCAGCTGTTTATGGCTCA
 GCAGGAGCAGCGGCCCTGCGCAAGGAGCTGCGGGCTCAGCAGGGCTGGCTCCGGAGCCTCGGGCCCC
 GGCACCTCCCAGAGGCTGACCCAGTGCACGACCAGAGGAGGAAGCCCGATGGGAGGTGTCGAGAAGA
 CAGCAGAGATTAGCCTCTTGAAGCAGCAGCTGCGTGAAGCCAGCGGAACTGGCCAGAAGCTGGCGGA
 GATCTTCACTGAAGACACAACCTCGGGGACCGGGCACAAGCCAGGCTCAGGACGCAGAGCTGGTC
 CGGCTGCGCAGGCTGTGCGCAGCTGCAGGAGCAGGCCCTCGGGAGGAAGCCAGGCAGCTGTGAGA
 CTGATGACTGCAAGAGCAGGGGCTGCTAGGGGAGGCAGGAGGCAGCGAGGCCAGAGACAGTGTGAGCA
 GCTGCGGGCTGAGCTGCTGCAGGAGCGACTTGGGGCCAGGAGCAGGCGCTGCGCTTTGAGCAGGAGCGG
 CGGACTTGGCAGGAGGAGAAGGAGCGGTGCTGCGCTACCAGCGGGAGATCCAGGGAGGGTACATGGACA
 TGTACC CGCAACCAGGCACTGGAGCAGGAAGTGCAGGCACTGCGGGAGCCCCCACACCTGGAGTCC
 CCGGCTCGAGTCTCAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208635 representing NM_015111
 Red=Cloning site Green=Tags(s)

MATAPGPAGIAMGSVGSLLERQDFSPEELRAALAGSRGRQPDGLLRKGLGQREFLSYLHLPKKDSKSTK
 NTKRAPRNEPADIATLYYREHSRAGDFSKTSLPERGRFDKCRIRPSVFKPTAGNGKGFSLMSQLASHKQ
 KLWRSNGLHTLACHPPLSPGPQASQARAQLLHALSLDEGGPEPEPSLSDSSGGSGFRSPGTGSPFSS
 SLGHLNHLGSLDRASQGPKEAGPPAVLSCLPEPPPPYEFSCSSAEEMGAVLPETCEELKRGLGDEDGSN
 PFTQVLEERQLWLAELKRLYVERLHEVTQKAERSERNLQLQLFMAQQEQRRRLKELRAQQLAPEPRAP
 GTLPEADPSARPEEEARWEVCQKTAEISLLKQLREAQELAQLAEIFSLKTQLRGSRAQAQAQDAELV
 RLREAVRSLQEAPREEAPGSCETDDCKSRLLGEAGGSEARDSAEQLRAELLQERLRGQEALRFEQER
 RTWQEEKERVLRVQREIQGGYMDMYRRNQALEQELRALREPPTPWSPRLESSKI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015111

ORF Size: 1632 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_015111.1](#), [NP_055926.1](#)

RefSeq Size: 5987 bp

RefSeq ORF: 1635 bp

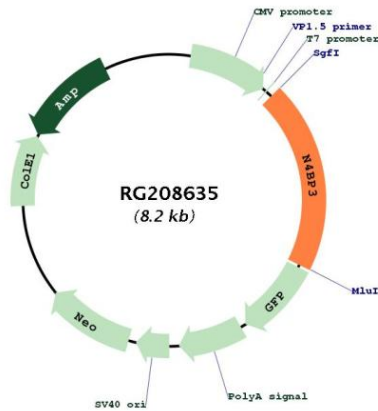
Locus ID: 23138

UniProt ID: [O15049](#)

Cytogenetics: 5q35.3

Gene Summary: Plays a role in axon and dendrite arborization during cranial nerve development. May also be important for neural crest migration and early development of other anterior structures including eye, brain and cranial cartilage.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208635