

Product datasheet for **RG215912**

GPRIN3 (NM_198281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRIN3 (NM_198281) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPRIN3
Synonyms:	GRIN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG215912 representing NM_198281
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGGACTGTACCTGACCTCTGAGATCAGCTAAAACCTCCCTGATTGCAGCTCCGGAAAAGAAGACG
ATCTAGGAGAGCCACAGGCTGCCTCACCTCGGCATCGACCAGCTCCTGTGTAAGAATGCCAATGGCTT
TTCAGGTGCCCTGCAGAACAGACCTCAGCCCCAGGGCAGCTGCCGAAGCCCTGATGCAGGTTTGTGAG
CATGAGACCACCAACCAGATATGTCTTCTCCTGGTGTGTTCAATGAAGTGCAGAAAACCTGCCACAT
TCAACTCTCCCGCAATCCCAGCTGCCAGGGAGCAGCCAGCCCGCAGCATCAGCCCCGAGTTCTGCAGC
AGGAAGGGATCTTATACACACACCATTGACAATGCCCGCAATCAGCACACCTGCCAGTCCATCCCAGGT
GATCAGCCCAATGCCATCACCTCATCCATGCCTGAAGATTCCTGATGAGATCACAGAGAACCTCAAATA
GAGAGCAACCTGAGAAACCAAGTTGTCTGTGGGAGGCGTCTCAGTAGCAGCAAAGATCAGGTGTCTGT
TGAGTTTCTTCTCCAGAAACAATCCAGGGAACAGTGCAGACTCCAGTGACAGCAGCCAGGGTGGTCACT
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CCAAGGCACAACCTCTGTGACACCTCAACCAACCCCCCTCACTAGCGAACCTTCGGCATGTCCCCAGGT
CCAGAGAAGGTGCCGCTGCCAGCACAGCGTCAGATGTCAAGGTTCAAAGAAGCCAGTACGATGACCAACC
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TGCACTGAGTCTACAGCTTTCCAACGGGAAAATAAACTTGCGAGCCTACCAGGTGGGGTCTTAAACCC
TCATCAATCAATTTGGTCTCCAGTAATGCCAGCATACGTGTAAGAAGATGGGAGGTTAGCAGGAATGA
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CTTGTGGCTCTATCAGCAAAGCTGATCATTCTGGGAGCTTGGATCCCCTAATAAAGGAGATGCAAGGGA
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ACCCTACTGCTCAATCCTAAATCCCAAGAAAGTGGAGGCACAGAATCAGCTGCTAATCCTACACCCTCCC
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GCCATCTGATCCCATGGGTGACTCCAGCCAGGTTCTGGCAAGAAGACCCATCTCGCTCCGTCAAAGCC
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GACGCAGAGTCCCTGGGAATCGCGATCCAGAACCATTTGCAAAGCAAAATCAGGGAACATGAGAAATTA
TCAAAACTCAAAATAGCCAGACCCGAGATCCATTTCTCAGATACTTCTTCAAATAAGAAGCTCAGAGG
AAGGCAGCACAGTGTTCAGTCCATGCTGCAGAACTCCGACGCCCAACTGCTGCGTCCGTCTGCTGCC
CCGTCTTCTGTGTAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215912 representing NM_198281
Red=Cloning site Green=Tags(s)

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MGTVPDPLRS AKTSLIAASGKEDDLGEPQAASPRHRPALLCKNANGFSGAPAEPDLSPRAAA EALMQVCE
HETTQPMSSPGVFNEVQKAPATFNSPGNPQLPGSSQPAASAPSSAAGRDLIHTPLTMPANQHTCQSI PG
DQPNAITSSMPEDSLMRSQRTSNREQPEKPSCPVGGVLSSSKDQVSCEFPSPETIQGT VQTPVTAARVVS
HSSSPVGGPEGERQGAICDSEMRSCCKPLRESGCSENKQPSVTASGPQGTTSVTPQPTPLTSEPSACPPG
PEKVPLPAQRQMSRFKEASTMTNQA ESEIKEVPSRAWQDAEVQAVASVESRSVSTSPSILTAFLKESRAP
EHFEQEQLRVI CHSSGSHTLELSDSTLAPQEPSQCPGIMPQVHIQAAAAE STAFQRENKLASLPGGV LKT
SSINLVSSNAQHTCKEDGRLAGMTPAREESTAKKLAGTNSSSLKATAIDQISISACSQAETS YGLGKFET
RPSEFAEKTTNGHKTD PDCKLSDSCGSIKADHSGSLDPTNKGDAREKKPASPQVVKEKESTGTD TSDAK
LLLLNPKSQESGGTESAANPTPSPIRKNQESTLEENRQTKATSLSLPSDPMGDS SPGSGKKTPSRSVKA
SPRRPSRVSEFLKEQKLNVTAAA AQVGLTPGDKKKQLGADSKLQLKQSKRVRDVVWDEQGMTWEVYGASL
DAESLGI AIQNH LQRQIREHEKLIK TQNSQTRRSISSDTSSNKKL RGRQHSVFQ SMLQNFRRPNCCVRPA
PSSVLD
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198281

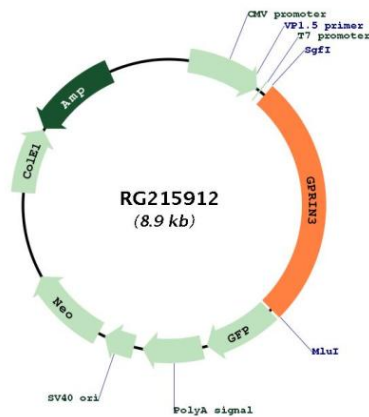
ORF Size: 2328 bp

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_198281.1](#), [NP_938022.1](#)
- RefSeq Size:** 3300 bp
- RefSeq ORF:** 2331 bp
- Locus ID:** 285513
- UniProt ID:** [Q6ZVF9](#)
- Cytogenetics:** 4q22.1
- Gene Summary:** May be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215912