

Product datasheet for RN217485

Grin3a (NM_001198583) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grin3a (NM_001198583) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grin3a
Synonyms:	chi-1; GluN3A; NR3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217485 representing NM_001198583 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAGACTGAGTTTGTGGTGGCTGCTGAGCAGGGTCTGTCTGCTGCTGCCGCCGCCCTGCGCACTGG
TGCTGGCCGGGGTGCCAGCTCCTCTCGCACCCGCAACCCTGCCAGATCCTCAAGCGCATCGGACACGC
GGTGAGGGTGGGCGGGTGCACCTTGCAACCCTGGACCACGGCCCCACGCGCAGCCAGTCGCGCTCAGGAA
GGCGGCAGGGCGGGTGCCAGAGGGATGATCCAGAGTCCGGGACGTGGCGGCCACCGCGCCCTCGCAAG
GCGCACGCTGGTTGGGGAGCGCCCTGCATGGCCGGGGTCCACCCGGCTCCCGAAAGCTCGGGGAGGGCGC
GGGGGCCGAGACCCTGTGGCCGCGGGATGCCCTACTGTTGCTGTGGAAAATTGAACCGTGTGGAAGGG
CTCCTACCCTACAACCTGTCTTTGGAAGTAGTGATGGCCATTGAGGCGGGCTGGGCGATCTGCCGCTTA
TGCCCTTCTCTCCCAAGCTCACCGTGGAGCAGTGACCCTTTCTCTTTCTGCAGAGCGTGTGCCACAC
CGTAGTGGTACAAGGGGTGTGGCGCTGCTGGCCTTCCCCAGAGCCAGGGCGAAATGATGGAGCTGGAC
TTGGTCAGCTCTGTCTGCACATCCCAGTGTCTCAGCATAGTGCGCCACGAGTTTCCGCGGGAGAGCTCAGA
ATCCCCGCACCTACAGCTGAGTTTAGAAAACCTACTAAGTTCTGATGCTGATGCTCAATCCT
GACCATGAACAACCTGGTACAATTTTAGCTTGTGCTCTGCCAGGAAGACTGGAATATCACGGACTTCCTC
CTCCTTACGGAGAATAAATCCAAGTTCCACCTCGAGTCTGTTATCAACATCACTGCTAATCTGCTCTCCA
CAAAGGACCTTCTAAGTTTCTGCAAGTCCAGATGGACAACATTAGGAACAGCACACCCACAATGGTGAT
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GAACTTCACTGGGTTTTAGGAGACTCCCAGAATGTGGAGAACTGAGGACAGAAGGCCTGCCCTTAGGGC
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GTCTCAGTGGTTCCATCAAAGTAAAGGGCTCCACCATCATCAGCTCAGAGAACAACCTTTTTCATCTGGAA
CTTGACAGCACGCCCTATGGGAAAGCAATGTGGACTCGCTGGGACAGCTGGCAAGGAGGAAGGATAGTC
ATGGACTCTGGAATATGGCCAGAGCAGGCCAGAGGCACAAAACCACTTCCAGCACCAAAACAAGTTAC



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ACTTGAGAGTGGTGACATTGATTGAACCCCATTTGTTTTACGAGAGAAGTAGACGATGAAGGCTTATG
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CTGCATAGCAGTAATGACACAGTGCCAATCAAGTTCAAGAAGTGTGTTATGGGTAAGTGCATCGATCTCC
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TCTTTACAGCATCAATACCGCACGAAGCCAGGTGATAGATTTACCAGCCCTTTCTTCTCAACCAGTTTGG
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GTTCCCTGCGGAAAGAGAAGCTTTGCCGCTCACTGAGACTTTGCAAATGGGCATCAAGCACTTCTCTGGAC
TCTTCGTGCTGTTGTGCATAGGATTTGGTCTCTCCATCCTGACCACCATTTGGTGAACACATAGTGACAG
ACTGCTGTACCACGCATCAAAAACAAATCCAAGCTGCAGTACTGGTGCACACGAGTCAGAGGTTTAC
AGAGCATTAAACCGTCATTTCGTAGAAGAAAAGCAGCCACGTTCCAAGACAAAACGTGTGGAGAAGAGGT
CCAACCTGGGACCCAGCAGCTCATGGTATGGAATACTCCAATCTGAGTCATGACAACCAACGAAAATA
CATCTTTAATGACGAGGAAGACAAAACCAGCTGGGTACCCAGGCCACCAGGACATCCCTCTCCCTCAG
AGGAGAAGAGAGCTCCCTGCCTCACTGACCACCAATGGGAAAGCAGACTCCCTCAATGTAACCTCGGAGCT
CCGTGATTCAGGAAGTCTCTGAGTTGGAGAAGCAGATCCAAGTATCCGCCAGGAGCTGCAGTTGGCTGT
AAGCAGGAAGACAGAGCTGGAGGAGTATCAAAGACAAATCGGACTTGTGAATCCTAG

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ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001198583
- Insert Size:** 3348 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001198583.2](#), [NP_001185512.1](#)

RefSeq Size: 4326 bp

RefSeq ORF: 3348 bp

Locus ID: 191573

UniProt ID: [Q9R1M7](#)

Cytogenetics: 5q22

Gene Summary: glutamate receptor subunit involved in neuronal signaling [RGD, Feb 2006]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.