

Product datasheet for RN208887

Grid1 (NM_024378) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grid1 (NM_024378) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grid1
Synonyms:	GluD1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208887 representing NM_024378 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGCGCTGACGCTGTGGCTTCTTCCCTGGATATGCCAGTGC GTTACGGTGC GGCCGACTCCATCA
TCCACATCGGTGCCATCTTCGAGGAGAACGCAGCCAAGGACGACAGGGTGTCCAGTTGGCTGTATCAGA
CTTGAGCCTCAATGATGACATCCTGCAGAGTGAGAAGATCACCTACTCCATCAAGGTCATCGAGGCCAAT
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CGGGCTGTGCATCTGCCAACGCCCTGCAGTCCCTCACAGACGCCATGCACATCCCACACCTCTTTGTCCA
GCGCAACCCCGGGGGTTACCACGTA CTGCCTGCCACCTGAACCCCTAGCCCCGACGGCGAGGCTACACA
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ACTTGGCCATCTCTGCTATTACCATCACCCCGGAGAGAGAGAGCGTTGTGGACTTCAGCAAGCGATACAT
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CTCATGGCACCTCCATCGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_024378

Insert Size: 3030 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).

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_024378.1](#), [NP_077354.1](#)

RefSeq Size: 3611 bp

RefSeq ORF: 3030 bp

Locus ID: 79219
UniProt ID: [Q62640](#)
Cytogenetics: 16p15
Gene Summary: member of the ligand-gated excitatory amino acid receptor superfamily [RGD, Feb 2006]