

Product datasheet for **RR20887**

Grid1 (NM_024378) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Grid1 (NM_024378) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Grid1
 Synonyms: GluD1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR20887 representing NM_024378
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

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Protein Sequence:

>RR208887 representing NM_024378
 Red=Cloning site Green=Tags(s)

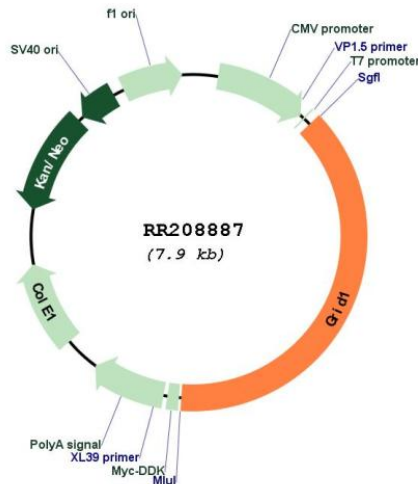
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 TMKTEELNRYRDLRRAILLSPQGAHSF INEAVETNLASKDSHWVFNEEISDPEILD LVHSALGRMTV
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 VKTPIPM SFQVPVGGVLPEALD TSHGTSI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:

ACCN: NM_024378

ORF Size: 3027 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:	<ol style="list-style-type: none">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:	<u>NM_024378.1</u> , <u>NP_077354.1</u>
RefSeq Size:	3611 bp
RefSeq ORF:	3030 bp
Locus ID:	79219
UniProt ID:	<u>Q62640</u>
Cytogenetics:	16p15
MW:	112.1 kDa
Gene Summary:	member of the ligand-gated excitatory amino acid receptor superfamily [RGD, Feb 2006]