

## Product datasheet for **RR217651**

### Slit2 (NM\_022632) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slit2 (NM_022632) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slit2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217651 representing NM_022632 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGGCATTGGCTGGCAGACTGTCCCTATCTCTGGCGTTAGTGTTGTCGATCTTGAACCAGGTGG  
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CAGTGTGCCAGGAATATCCCCGCAACACGGAGAGACTGGATTGAATGGAAATAACATCACAAAGGATC  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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Protein Sequence: >RR217651 representing NM\_022632  
 Red=Cloning site Green=Tags(s)

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 AIPRKAFRGAVDIKNLQLDYNQISCIEDGAFRALRDLEVLTLNNNITRLSVASFNHMPKLRTRFLHSNN  
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 PCHKVCAHGTCQPSQSGFTCECEEGWMPGLCDQRTNDPCLGNKCVHGTCLPINA FSYSCKCLEGHGGV  
 LQDEEEDLFNPCQVIKCKHGKCRSLGLGOPYCEC SSGFTGDSCDREISCRGERIRDYQKQGYAACQTT  
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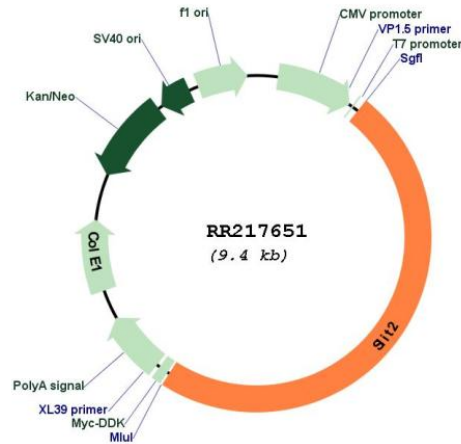
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_022632

**ORF Size:** 4575 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\\_022632.2](#), [NP\\_072154.2](#)

**RefSeq Size:** 7135 bp

**RefSeq ORF:** 4578 bp

**Locus ID:** 360272

**Cytogenetics:** 14q11

**MW:** 169.1 kDa

**Gene Summary:** acts as a ligand for glypican-1, a heparan sulfate proteoglycan; may play a role in neurogenesis and midline development [RGD, Feb 2006]