

Product datasheet for **RR200304**

Unc13b (NM_022862) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc13b (NM_022862) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Unc13b
Synonyms:	Munc13-2; Unc13h2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200304 representing NM_022862 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAACGACTGTTGCGGGAGTCTGAGGAAGAAATCATGCTGACACTGGGACCTTCATCCAGCCTCTCAC
CAGATCAGGTGAGACAGAGACTGTGTATTGTCAAGGGCAAGTCCACAGGTCTACTGGTCTTGGC
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Protein Sequence:

>RR200304 representing NM_022862
 Red=Cloning site Green=Tags(s)

MKRLRESEEEIMLTLPSSSLSPDQVRTETVCIKVKSTGPTGSLPEDNFPPPCESADSTTSGERDRN
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 VVEYIIRELQGISRLQSEIAELQQHLNQVRGSDVSSCVDSVLSIEIHLVHGSSSLGKVRHGEKAQELH
 VERSREEAILYL YGLPEHDGESTVELVDNFLAKHL CVNGMQCNRYVREAYRAGTAPAPRPTVVKLVHPEH
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 SPKQLEDLLADKSRRFATLNPDSAVEEVIIGPETFSNMVHIDLNEEETCTAQVLKNVFDKSSCVLGGSQE
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 VESPASQSESLLSVVSQGGVGSVQGDQTPQAPSNFSLASNNSPLTNSLLSFPLAPGLNETCSRPDSPN
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 ERLQDLKSTVDLLTSITFFRMKVQELQSPPRASQVVKDCVKAACLNSTYEYIFNNCHDL YSHQYQLQEQL
 EEPGPIRNLDFWPKLITLIVSII EEDKNSYTPVLNQPQELNVGKVS AEMWHLFAQDMKYALEEHEKD
 RLCKSADYMNLFHKVKWLHNEYVREL PALQGGVPEYPAWFEQFVLQWLDENEDVLEFLRGGLEDRKRDG
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 QRSNDEVAREFVKLKSESRSEIEGS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_022862.1</u> , <u>NP_074053.1</u>
RefSeq Size:	6599 bp
RefSeq ORF:	5958 bp
Locus ID:	64830
UniProt ID:	<u>Q62769</u>
Cytogenetics:	5q22
MW:	222.1 kDa
Gene Summary:	brain specific protein that may have a role in neurotransmitter release [RGD, Feb 2006]