

Product datasheet for RN200304

Unc13b (NM_022862) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc13b (NM_022862) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Unc13b
Synonyms:	Munc13-2; Unc13h2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200304 representing NM_022862 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACGACTGTTGCGGGAGTCTGAGGAAGAAATCATGCTGACACTGGGACCTTCATCCAGCCTCTCAC
CAGATCAGGT CAGGACAGAGACTGTGTATTGTCAAGGGCAAGTCCACAGGTCTACTGGTCTTGGC
AGAGGACAACTCCACCCCTTGTGTGAGT CAGCAGACTCCACCACTAGTGGAGAGAGATAGGAAC
CTGGCCAACTTGGTAGCTTTGAGCAGCAAGCCAGTAGCCAACCTTCTCTGGCCTGCACTGCTTGTGCTT
CAGGGTCTGATTCTCGGGAACCTCTGCCTGCCAGCATAACAAGCTGTTTCAGAGCCTTCAGAGAGAAACAA
AGCCAGGCCCATATCCCCAGAGGTCTGGCCAAAGATGTAGGCATGAGCATCAGGAGCCTCTGGGAGAT
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CACCAGATGAGGACTCAGAATCAACATAGAGAACTCCAGGCTTCTGAGCATCAAGGGCTTAGTTTCTTAC
CAAAGGATGGCTCAGCAAAACAGAGTGATGTGTCTAAGCTGCAGGATGAAGTAAAAGGAACATCAGGAGC
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AGCCAAAGCAGCTGGAGGACCTTTTGGCAGACAAGTCTAGGAGGTTTGCAGCTCTGAATCCTGACAGCG



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CAGTGGAGGAAGTGATCATAGGACCCGAGACTTTCAGTAACATGGTGCATATTGACCTGAATGAAGAAGA
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 GATGAAGATGTAGAAATTAATTTACACAACCTAAGCTGAGTCGAGCGATCCACCACTCCGTTTGGCTC
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 CTCAGGATGCAGATAGTGTGCTGCGACCTCTCATGGATTTCTGGATGGCAACCTCACACTGTTTGGCCAC
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TGCTGTCCTCGACTTGGCCTTGGACACCGTCAAGCAATACTTCCATGCAGGAGGCAATGGTCTGAAGAAA
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 ACACTCTCATCAAGACATTTGTGCGCTCACAGACTGCCAAGTACATGATGGGAAAGGTATTAGGTTTAC
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 TAAGAAGAGGAAGTTCACAACCAAGTCTAAAAGTAAACAGCTGGACTCCCAAGTACAACGAGACTTTTCAT
 TTCTCTCGGAAATGAAGAGGGTCCCGAGGCCTATGAATTGCAGATATGCGTGAAGGATTACTGCTTTG
 CCCGGGAGGATCGTGTGATAGGACTGGCAGTGTGCCCTGAGGGATGTGGCAGCTAAGGGCAGCTGTGC
 CTGCTGGTCCCGTTGGGCCGGAAGATCCACATGGATGAGACAGGCATGACCATTCTCCGGATTCTGTCT
 CAGAGGAGCAATGATGAGGTAGCCCGAGAGTTCGTGAAGCTCAAGTCAGAGTCTCGATCCATAGAGGAAG
 GGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022862
- Insert Size:** 5958 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_022862.1](#), [NP_074053.1](#)
- RefSeq Size:** 6599 bp
- RefSeq ORF:** 5958 bp
- Locus ID:** 64830
- UniProt ID:** [Q62769](#)
- Cytogenetics:** 5q22
- Gene Summary:** brain specific protein that may have a role in neurotransmitter release [RGD, Feb 2006]
 Transcript Variant: This variant (1) encodes the longer isoform (b).