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Product datasheet for MC224733

Unc13b (NM_001081413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc13b (NM_001081413) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc13b
Synonyms:	Munc13-1; Munc13-2; Unc13a; Unc13h1; Unc13h2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224733 representing NM_001081413 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCGCTGCTCTGTGTGCGTGTTAAAAGAGCCAAATTCCAGGGTTCACCAGATAAATTTAACACATATG TGACCCTGAAAGTCCAGAACGTGAAGAGCACAACTGTAGCAGTTCGTGGTGATCAGCCTTCCTGGGAGCA GGATTTCATGTTTGAGATCAGTCGTCTGGACCTGGGCCTAAGTGTGGAGGTGTGGAACAAGGGACTGATA TGGGACACAATGGTGGGCACCGTGTGGATTGCACTGAAGACAATCCGTCAGTCGGATGAGGAAGGGCCCG GGGAGTGGTCTACACTGGAGGCAGAGACGTTAATGAAAGATGATGAGATCTGTGGAACTAAAAATCCAAC TCCTCATAAAATCTTGCTTGATACAAGATTTGAGCTGCCTTTTGACATCCCAGAGGAGGAAGCCAGATAT TGGACCTACAAATTGGAGCAAATCAATGCCTTGGCAGATGATAATGAGTATTCTAGTCAAGAAGAAAGCC AGAGGAAGCCATTACCCACTGCTGCCGCCCAGTGTTGTCACTGGACCTATTTGGGCTGGGGAGAGCATCA GACCTTTGAAGACCCTGATAGTGCCGTTGATGACCGAGACAGTGACTACCGCAGTGAGACCAGCAATAGC GCCCCACCTCCTTACCACACGACTACCCAGCCCAACGCTTCTGTACACCAGTTCCCTGTTCCTGTGCGGC TGCCACAGCAGCTCTTTCTTCAAGGCAGTTCCCATGACTCTTGCAATGACTCTATGCAGAGTTACGACCT TGATTATCCAGAGCGTCGGGCCCTCAGCCCTACCAGCAGTAGTAGGTATGGCTCCTCCTGTAATGTGAGT CAAGGAAGCTCTCTGCTGAGTGAGCTGGACCAGTATCATGAGCAAGATGATGATGGTCGGGAGAGGGACT CCATTCATTCTAGTCATAGCTATGGCAGCCTCTCCAAAGATGGCCAGGCTGGTTTGGGAGAACAAGAGAA AGCCTTGGAAGTGACATGTGAATCAGAAAAAGAGAAAACAGGTGAATCCAAGGAGATGAGAGATGATGCT ACAATCCACCCTCCTTCAGATCTGGTGCTGCATAAGGACCATGTCCTAGGACCCCAGGAGAGTCTTCCTG AGGAGACCGCATCATCGCCATTTACCCAGGCCAGAGCACACTGGTTCCGAGCGGTTACCAAGGTCCGACT CCAACTGCAGGAGATTTCAGATGATGGTGACCCCTCCTTGCCTCAGTGGCTCCCAGAAGGGCCAGCTGGA GGGCTCTATGGCATTGACAGCATGCCAGATCTACGAAGGAAGAAGCCACTGCCACTTGTCAGTGATCTGT CACTGGTCCAGTCACGGAAAGCTGGGATTACATCTGCTATGGCTACACGTACCTCTCTCAAGGATGAAGA ACTGAAATCTCATGTGTATAAGAAAACTCTGCAGGCCTTAATCTACCCCATCTCGTGTACCACGCCCCAC AACTTTGAGGTCTGGTCTGCCACTACACCTACCTATTGCTATGAGTGTGAAGGCTTGCTCTGGGGCCTTG

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CCCGGCAAGGCATGCGCTGCAGCGAGTGTGGAGTCAAGTGCCATGAGAAGTGCCAGGACCTGCTCAATGC
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_001081413
Insert Size:	4806 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_001081413.2, NP_001074882.1
RefSeq Size:	6423 bp
RefSeq ORF:	4806 bp
Locus ID:	22249
UniProt ID:	Q9Z1N9
Cytogenetics:	4 A5
Gene Summary:	Plays a role in vesicle maturation during exocytosis as a target of the diacylglycerol second messenger pathway. Is involved in neurotransmitter release by acting in synaptic vesicle priming prior to vesicle fusion and participates in the activity-depending refilling of readily releasable vesicle pool (RRP) (By similarity). Essential for synaptic vesicle maturation in a subset of excitatory/glutamatergic but not inhibitory/GABA-mediated synapses. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region compared to variant 1. The encoded isoform (2) has the same N- and C-termini, but is one amino acid shorter than isoform 1.