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Product datasheet for MC225476

Unc80 (NM_175510) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc80 (NM_175510) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc80
Synonyms:	C030018G13Rik; C230061B10Rik; UNC-80
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225476 representing NM_175510 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGAAGAGGAAGAGCTCCGAGGGCCAGGAGCAGGACGGCGGCCGCGGCATCCCTCTGCCCATCCAGA CCTTCCTGTGGCGGCAAACCAGTGCATTTTTGAGGCCTAAACTGGGGAAGCAATATGAAGCCTCTTGTGT GTCCTTTGAACGAGTGTTGGTGGAAAACAAGCTGCATGGCCTGTCCCCGGCCCTCTCTGAAGCAATCCAG AGCATTTCCAGATGGGAGCTAGTGCAGGCTGCCCTCCCTCATGTTCTCCACTGCACTGCAACTCTGCTAT CAAACAGGAACAAACTAGGCCATCAAGATAAGTTGGGTGTTGCTGAGACAAAACTCCTTCATACCCTGCA CTGGATGCTTCTTGAGGCCCCACAGGACTGCAACAATGATCAGTTTGGAGGTACAGACCGAGGTTCCAGC TGGGGTGGCAGCAGCAGTGCTTTCATCCACCAGATTGAAAACCAGGGTTCTCCCGGGCAGCCTTGCCGAA GCAGCTCCCATGATGAGGAAGAGAACAACCGAAGGAAGACCTTCCAGAACTCCATGGCTACCGTGGAGCT CTTTGTGTTTCTGTTTGCTCCTTTGGTGCACAGGATAAAGGAATCTGATCTCACCTTCCGACTGGCCAGT GGGTTGGTTATATGGCAGCCTATGTGGGAGCACAGACAGCCTGAGGTCTCCGGCTTTACTGCGCTGGTAA AGCCCATAAGGAACATCATTACAGCCAAAAGAAGCTCTCCAATCAACAGTCAGAGTCAGACCTGTGAATC ACCCAATCAAGACACCAGGCAGCAAGGAGAGGGACTTCAGGTGGTCAGTGAAGCACTGCAGTCGGATTCC ATCTCACCTAAGGCCACCATCTCAGGCTGCCATCAGGGAAACTCCTTCGATGGAAGCCTGTCCTCCCAAA CGTCCCAGGAAAGAGGCCCGTCACATTCCAGGGCCTCACTTGTGATACCACCATGCCAGAGGTCACGCTA TGCCACCTACTTCGATGTTGCCGTTCTCCGCTGCCTTCTCCAGCCCCACTGGTCTGAGGAAGGCACTCAG TGGTCTCTGATGTACTATCTACAAAGGCTGCGACACATGCTGGAAGAGAAACCAGAAAAGACCCCAGATC CAGATATTCCTCTGCTGCCCAGGCCCAGAAGTAGCTCGATGGTGGCAGCAGCTCCCTCACTGGTGAACAC CCACAAGACTCAAGATCTCACCATGAAGTGTAATGAAGAAGAAAAATCTCTGAGCCCTGAGGCTTTTTCC AAAGTCTCATTGACCAATCTCCGAAGATCTGCCGTCCCAGATCTATCTTCAGATCTGGGCATGAACATTT TTAAAAAGTTCAAAAGTCGCAAAGAAGACCGAGAGAGGAAGGGCTCCATTCCATTCCACCACACGGGGAA GAGGAGACCTAGACGAATGGGTGTACCATTCCTGCTGCATGAGGACCACCTAGACGTCTCACCTACCCGC AGCACATTCTCTTTTGGCAGTTTCTCTGGGCTTGGAGAAGATAGGAGAGGCATTGAAAAGGGAGGCTGGC

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Restriction Sites: SgfI-MluI

ACCN: NM_175510

Insert Size: 9981 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_175510.3, NP_780719.2

RefSeq Size: 13533 bp

RefSeq ORF: 9981 bp

Locus ID: 329178

UniProt ID: Q8BLN6

Cytogenetics: 1 C3

Gene Summary: Component of the NALCN sodium channel complex, required for channel regulation. This complex is a cation channel activated by neuropeptides substance P, neurotensin, and extracellular calcium that regulates neuronal excitability by controlling the sizes of NALCN-dependent sodium-leak current. UNC80 is essential for NALCN sensitivity to extracellular calcium.[UniProtKB/Swiss-Prot Function]