

## Product datasheet for **MC210937**

### Slurp2 (NM\_001081961) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slurp2 (NM\_001081961) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slurp2  
**Synonyms:** 2300005B03Rik; SLURP-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210937 representing NM\_001081961  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCTTCCTTCTGGTTCCTTCTGGCCGTGGTCTTGAGCATGGAGCTAGCTGTAACACAGGGCCTGC  
AATGCCACCTGTGCAAGGGATTTGGAGGATGCTCTCGCCCGTCTAGCTGCCCATGGAGCTCCACCCACTG  
TGTCATCATTGCCACCCGTTCTCCATCAGCTTACAGATCTGCCTCTGGTGACGAAGATGTGCTACAGT  
GGCTGTCCTGATGCTCCAGCTGGGCTTAGGCTCATGTATCCATCGCCTGCTGCCAGTCCAATCTCT  
GCAACAGGGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001081961

**Insert Size:** 294 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).



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**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\\_001081961.1](#), [NP\\_001075430.1](#)

**RefSeq Size:** 464 bp

**RefSeq ORF:** 294 bp

**Locus ID:** 69462

**UniProt ID:** [P0DP59](#)

**Cytogenetics:** 15 D3

**Gene Summary:** Binds and may modulate the functional properties of nicotinic and muscarinic acetylcholine receptors. May regulate keratinocytes proliferation, differentiation and apoptosis. In vitro moderately inhibits ACh-evoked currents of alpha-3:beta-2-containing nAChRs, strongly these of alpha-4:beta-2-containing nAChRs, modulates alpha-7-containing nAChRs, and inhibits nicotine-induced signaling probably implicating alpha-3:beta-4-containing nAChRs. Proposed to act on alpha-3:beta-2 and alpha-7 nAChRs in an orthosteric, and on mAChRs, such as CHRM1 and CHRM3, in an allosteric manner.[UniProtKB/Swiss-Prot Function]