

## Product datasheet for MC210135

### Slurp1 (NM\_020519) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slurp1 (NM_020519) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slurp1
Synonyms:	1110021N19Rik; AI415082; ARS; ArsB; Slurp-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210135 representing NM_020519 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCCTTCGCTGGGCCATGTGGCTGCTGCTCTTGGCAGCCTGGAGCATGGGCTATGGTGAGGCCTTCC  
GATGCTATACCTGTGAGCAGCCACGGCCATTAACCTCATGCAAGAATATTGCTCAGTGCAAGATGGAAGA  
CACAGCCTGTAAGACTGTACTGGAGACAGTGAAGCAGCGTCCCTTCAACCACAGTCCCATGGTGACC  
CGCTCCTGCTCCAGCTCGTGTCTGGCCACCGACCCTGATGGCATTGGCGTTGCCATCCTGTCTTCTGTT  
GCTTCCGTGACCTCTGCAACTCAGGGTTCCAGGCTTCGTGGCAGGCCT**CTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_020519
Insert Size:	333 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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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_020519.1, NP_065265.1</u>
<b>RefSeq Size:</b>	525 bp
<b>RefSeq ORF:</b>	333 bp
<b>Locus ID:</b>	57277
<b>UniProt ID:</b>	<u>Q9Z0K7</u>
<b>Cytogenetics:</b>	15 D3
<b>Gene Summary:</b>	<p>Has an antitumor activity. Was found to be a marker of late differentiation of the skin. Implicated in maintaining the physiological and structural integrity of the keratinocyte layers of the skin. In vitro down-regulates keratinocyte proliferation; the function may involve the proposed role as modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-7-dependent nAChR currents in an allosteric manner (By similarity). In T cells may be involved in regulation of intracellular Ca(2+) signaling (PubMed:17286989). Seems to have a immunomodulatory function in the cornea. The function may implicate a possible role as a scavenger receptor for PLAUI thereby blocking PLAUI-dependent functions of PLAUI such as in cell migration and proliferation (PubMed:23139280, PubMed:25168896).</p> <p>[UniProtKB/Swiss-Prot Function]</p>