

Product datasheet for **MR226243**

Slurp1 (NM_020519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slurp1 (NM_020519) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slurp1
Synonyms:	1110021N19Rik; AI415082; ARS; ArsB; Slurp-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>MR226243 ORF sequence</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC</p> <p>ATGACCCTTCGCTGGGCCATGTGGCTGCTGCTCTTGGCAGCCTGGAGCATGGGCTATGGTGAGGCCTTCCGATGCTATACCTGTGAGCAGCCACGGCCATTAACTCATGCAAGAATATTGCTCAGTGCAAGATGGAAGACACAGCCTGTAACTGTACTGGAGACAGTGAAGCAGCGTCCCTTCAACCACAGTCCCATGGTGACCGCTCCTGCTCCAGCTCGTGTCTGGCCACCGACCCTGATGGCATTGGCGTTGCCATCCTGTCTTCTGTTGCTTCCGTGACCTCTGCAACTCAGGGTTTCCAGGCTTCGTGGCAGGCCTC</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>>MR226243 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MTLRWAMWLLLLAAWSMGYGEAFRCYTCEQPTAINSCKNIAQCKMEDTACKTVLETVEAAFPFNHSPMVRTSCSSSCLATDPDGIGVAHPVFCCFRDLCNSGFPGFVAGL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Restriction Sites:	Sgfl-MluI


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Cloning Scheme:



ACCN: NM_020519

ORF Size: 330 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

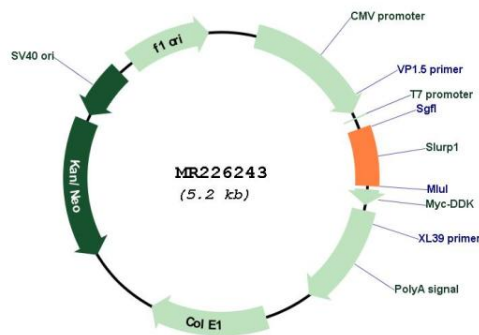
RefSeq: [NM_020519.2](#)

RefSeq Size: 525 bp

RefSeq ORF: 333 bp
 Locus ID: 57277
 UniProt ID: [Q9Z0K7](#)
 Cytogenetics: 15 D3
 MW: 12 kDa

Gene Summary: 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 PLA2 thereby blocking PLA2-dependent functions of PLA2 such as in cell migration and proliferation (PubMed:23139280, PubMed:25168896). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226243