

Product datasheet for **MG226243**

Slurp1 (NM_020519) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slurp1 (NM_020519) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slurp1
Synonyms: 1110021N19Rik; AI415082; ARS; ArsB; Slurp-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226243 representing NM_020519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCTTCGCTGGCCATGTGGCTGCTCTTGGCAGCCTGGAGCATGGGCTATGGTGGCCCTTCC
 GATGCTATACCTGTGAGCAGCCACGGCCATTAAGTCAAGCAAGATTTGCTCAGTCAAGATGGAAGA
 CACAGCCTGTAAGACTGTACTGGAGACAGTGAAGCAGCGTCCCTTCAACCACAGTCCCATGGTGACC
 CGCTCCTGCTCCAGCTCGTGTCTGGCCACCGACCCTGATGGCATTGGCGTTGCCATCCTGTCTTCTGTT
 GCTTCCGTGACCTCTGCAACTCAGGGTTTCCAGGCTTCGTGGCAGGCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226243 representing NM_020519
 Red=Cloning site Green=Tags(s)

MTLRWAMWLLLLAAWSMGYGEAFRCYTCEQPTAINSCKNIAQCKMEDTACKTVLETVEAAFPFNHSPMVT
 RSCSSSLATDPDGIGVAHPVFCFRDLCSGFPGFVAGL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

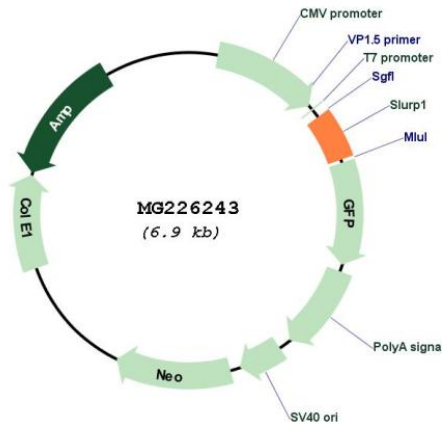


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Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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_020519.2
RefSeq Size:	525 bp
RefSeq ORF:	333 bp
Locus ID:	57277
UniProt ID:	Q9Z0K7
Cytogenetics:	15 D3
Gene Summary:	<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 PLAU thereby blocking PLAU-dependent functions of PLAU such as in cell migration and proliferation (PubMed:23139280, PubMed:25168896). [UniProtKB/Swiss-Prot Function]</p>