Product datasheet for RC211711

SLURP2 (NM_177458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLURP2 (NM_177458) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLURP2
Synonyms:	SLURP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211711 representing NM_177458 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGCTCGGCACTGGGCTCCTGCTGGCCGCCGTCCTGAGCCTGCAGCTGGCTGCAGCCGAAGCCATAT GGTGTCACCAGTGCACGGGCTTCGGAGGGTGCTCCCATGGATCCAGATGCCTGAGGGACTCCACCCACTG TGTCACCACTGCCACCCGGGTCCTCAGCAACACCGAGGATTTGCCTCTGGTCACCAAGATGTGCCACATA GGCTGCCCCGATATCCCCAGCCTGGGCCTGGGCCCCTACGTATCCATCGCTTGCTGCCAGACCAGCCTCT GCAACCATGAC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC211711 representing NM_177458 Red=Cloning site Green=Tags(s) MQLGTGLLLAAVLSLQLAAAEAIWCHQCTGFGGCSHGSRCLRDSTHCVTTATRVLSNTEDLPLVTKMCHI GCPDIPSLGLGPYVSIACCQTSLCNHD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6234_h01.zip
Restriction Sites:	SgfI-MluI

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Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf I   ORF   Mlu I

GCGATCGC C ATG ---//--- NNN ACG CGT ---

Kozac
Consensus

EcoR I   BamH I Kpn I   RBS   Sgf I

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG --- ---

ORF   Mlu I   Not I   Xho I   Myc.Tag

--- --- --- --- --- NNN ACG CGT ACG CGG CCG CTC GAG CAG AAA CTC ATC TCA GAA GAG
                    T   R   T   R   P   L   E   Q   K   L   I   S   E   E

EcoR V   Flag.Tag   Pme I   Fse I

GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC
 D   L   A   A   N   D   I   L   D   Y   K   D   D   D   D   K   V stop

* The last codon before the Stop codon of the ORF

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ACCN:	NM_177458
ORF Size:	291 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.
RefSeq:	NM_177458.3
RefSeq Size:	589 bp
RefSeq ORF:	294 bp
Locus ID:	432355

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UniProt ID:	P0DP57
Cytogenetics:	8q24.3
MW:	10 kDa
Gene Summary:	This gene encodes a novel, secreted member of the Ly6/uPAR (LU) superfamily of proteins containing the unique three-finger LU domain. This gene is mainly expressed in epithelial cells, including skin and keratinocytes, and is up-regulated in psoriatic skin lesions, suggesting its involvement in the pathophysiology of psoriasis. Alternatively spliced transcript variants have been found for this gene. Read-through transcription from the neighboring upstream gene (LYNX1) generates naturally-occurring transcripts (LYNX1-SLURP2) that encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Sep 2017]

Product images:
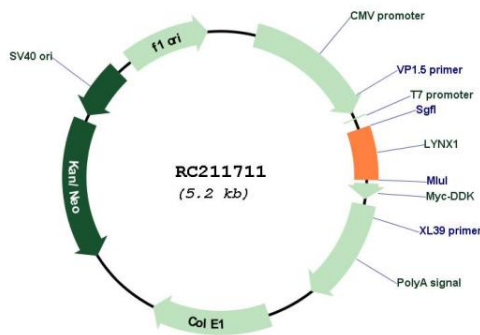
Circular map for RC211711
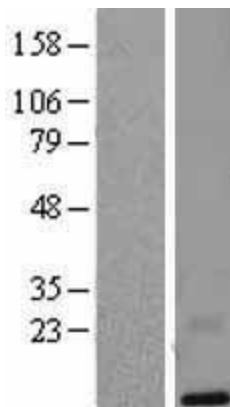
Western blot validation of overexpression lysate (Cat# [LY406174]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211711 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).
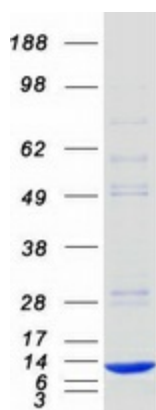
Coomassie blue staining of purified SLURP2 protein (Cat# [TP311711]). The protein was produced from HEK293T cells transfected with SLURP2 cDNA clone (Cat# RC211711) using MegaTran 2.0 (Cat# [TT210002]).