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Product datasheet for SC118202

SLIT3 (NM_003062) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLIT3 (NM_003062) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLIT3
Synonyms:	MEGF5; SLIL2; Slit-3; SLIT1; slit2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_003062 edited
ATGGCCCCCGGGTGGGCAGGGGTCGGCGCCGCCGTGCGCGCCCGCCTGGCGCTGGCCTTG
GCGCTGGCGAGCGTCCTGAGTGGGCCTCCAGCCGTCGCCTGCCCCACCAAGTGTACCTGC
TCCGCTGCCAGCGTGGACTGCCACGGGCTGGGCCTCCGCGCGGTTCCTCGGGGCATCCCC
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CAGAAGCTGGTCCGCATCCCAAGCCACCTCCCTGAATATGTCACCGACCTGCGACTGAAT
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003062 unedited
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GCGCCTCCACTCCAACCACCTGTACTGCGACTGCCACCTGGCCTGGCTCTCGGATTGGCT
GCGACAGCGACGGACAGTTGGCCAGNTCACACTCTGCATGGCTCCTGTGCATTTGAGGGG
CTCAACGTGGCGGATGTGCAAAAAAAGAGTACGTGTGCCCAGNCCCCCACTCGGAGCCCC
ATCCTGCATGCCAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003062 unedited
TATGGACCGGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTGGTTTA
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ACAAATACACAACACAAAACTTGGTAAAAATAACTCACTATATGGTACATATACGCAGAT
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TCTATTTTTTGTTTATTTTACAATATACTTAATATTCTCTTCTTCTTTACCTTCCTCTCC
AGCTTCATTTCCTTCATGCTGAATCACCAGGGGGTCCCACATGGCTGTCCCAACTCCATC
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CGCACTCTAAGTGTCTCTCCACCTCTTCTACAAACGAGGAGCCGTCCGTGCACTGGAAGA
CGTATTTCCGCCGCTTGCTGCGGGTGGGCTGGCAGCACTGGGGCCCACAGCCCCCACGAC
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TCACCTCTCGGACTACTTGTCCCAGGCACGGATTCTCTTGTTGGCAGTGCTCGCCGCTAA
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TAGCCCTGGGACACTTGCCATGTATGAAGTCCCGGTGCCCCACATTTTCATGGGGGCACT
CGGGCCCAGGCAGGGCCCCGGCCCCCGGGCCCCAAANNNCCCNCCCCCCCNNCCCCCCCC
CCCCCCCCCNNCCCCNCNNCCNNNNNNNNNNNNNNCNNNNNNNNCNNNNNNNCCCCNNNN
NNNNNNNNCNCCCCCCCNCNNNNGN

Restriction Sites: NotI-NotI

ACCN: NM_003062

Insert Size: 5000 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).

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_003062.1, NP_003053.1
RefSeq Size:	5015 bp
RefSeq ORF:	4572 bp
Locus ID:	6586
UniProt ID:	O75094
Cytogenetics:	5q34-q35.1
Domains:	LRRNT, LRRCT, LRR, LamG, EGF_CA, LRR_RI, LRR_TYP, CT, EGF, EGF, LRR_BAC, LRR_PS
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Axon guidance
Gene Summary:	The protein encoded by this gene is secreted, likely interacting with roundabout homolog receptors to effect cell migration. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (2) uses an alternate in-frame splice site at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.