OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR205540

Ssbp3 (NM_198438) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssbp3 (NM_198438) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ssbp3
Synonyms:	2610021L12Rik; 2610200M23Rik; 5730488C10Rik; AI854733; AW551939; LAST; SSDP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR205540 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTGCCAAAGGCAAAGGCTCGGCGGTGCCCTCGGACGGGCAGGCTCGGGAAAAGTTAGCTTTATACG TCTACGAATATTTACTGCACGTAGGAGCACAGAAATCTGCACAGACCTTCTTATCAGAGATTCGATGGGA AAAAAACATCACACTGGGTGAACCGCCTGGGTTCCTGCACTCGTGGTGGTGTGTATTTTGGGACCTTTAC TGTGCAGCTCCTGAAAGGAGAGACACTTGTGAACATTCAAGTGAAGCAAAAGCCTTTCATGATTATAGTG CAGCAGCTGCCCCAAGCCCTGTGCTTGGCAACATTCCCCCCAATGATGGGATGCCCGGAGGCCCCATCCC GCCAGGTTTCTTTCAGCCTTTTATGTCACCGCGATATGCAGGCGGCCCCAGGCCCCCGATCAGAATGGGA AACCAGCCTCCAGGAGGAGTTCCTGGGACACAGCCACTGCTGCCCAATTCCATGGATCCCACACGACAAC AAGGTCACCCCAACATGGGAGGATCAATGCAGAGAATGAACCCTCCCCGAGGCATGGGGCCCATGGGGCC TGGCCCACAGAATTACGGCAGCGGCATGAGACCACCACCCAACTCCCTCGGCCCCGCCATGCCTGGGATT AACATGGGCCCAGGAGCTGGCAGACCCTGGCCCAATCCCAACAGTGCTAACTCAATCCCGTACTCCTCCT CATCACCCGGAACCTATGTGGGACCCCCTGGTGGTGGTGGCCCTCCAGGAACCCCCATCATGCCTAGTCC TGCAGATTCAACAAATTCCAGTGACAACATCTACACAATGATTAATCCTGTGCCGCCTGGAGGCAGCCGG TCTAACTTTCCAATGGGTCCTGGCTCAGACGGCCCAATGGGAGGCATGGGCGGCATGGAGCCCCACCACA TGAATGGATCCCTAGGATCAGGTGACATAGATGGACTTCCAAAAAATTCTCCTAACAACATAAGTGGCAT TAGCAATCCTCCAGGCACCCCTCGCGATGACGGCGAGCTAGGGGGGAACTTCCTCCACTCCTTCCAGAAC GACAATTATTCTCCGAGCATGACGATGAGCGTG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

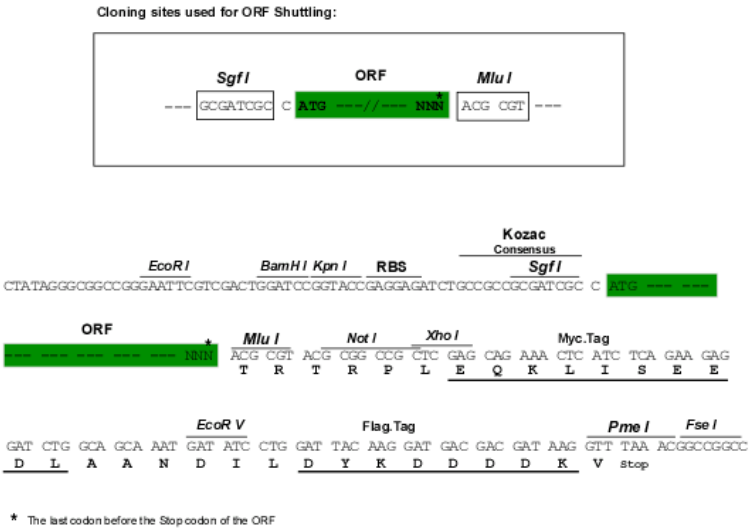
>MR205540 protein sequence
Red=Cloning site Green=Tags(s)

MFAKGKGSAVPSDGQAREKLALYVYEYLLHVGAQKSAQTFLSEIRWEKNITLGEPPGFLHSWWCVFWDLY
CAAPERRDTCEHSSEAKAFHDYSAAAAPSPVLGNIPPNDGMPGGPIPPGFFQPFMSPRYAGGPRPPIRMG
NQPPGGVPGTQPLLPNSMDPTRQQGHPNMGGSMQRMNPPRGMGPMGPGPQNYGSGMRPPPNSLGPAMPGI
NMGPGAGRPWPNPNSANSIPYSSSSPGTYVGPPGGGGPPGTPIMPSPADSTNSSDNIYTMINPVPPGGSR
SNFPMGPGSDGPMGGMGGMEPHHMNGSLGSGDIDGLPKNSPNNISGISNPPGTPRDDGELGGNFLHSFQN
DNYSPSMTMSV

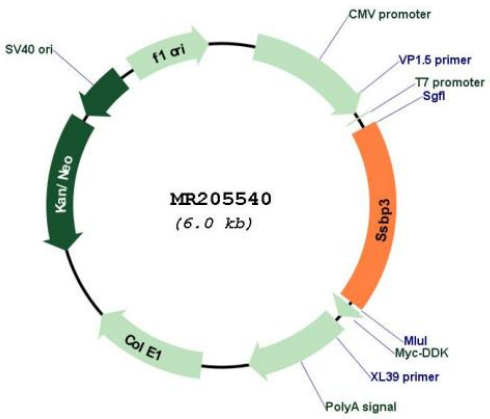
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198438

ORF Size:	1086 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_198438.1, NP_940840.1
RefSeq Size:	3130 bp
RefSeq ORF:	1086 bp
Locus ID:	72475
UniProt ID:	Q9D032
Cytogenetics:	4 C7
MW:	37.7 kDa
Gene Summary:	This gene encodes a member of the Ssdp (sequence-specific single-stranded DNA binding protein) family of proteins. The encoded protein binds specifically to single-stranded pyrimidine-rich DNA elements. The encoded protein has been shown to be important for head development and may play a role in the differentiation of spinal interneurons. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]