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 MC203259

Spata7 (NM_178914) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata7 (NM_178914) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spata7
Synonyms:	AI661438; B230306G18Rik; HSD3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC046960
CGACTGTCGCTGTGACCCTTTGCGCCCCCGCGGTCCTGGTCTTTTCCTTTTCACCTCCGCTGCGGGGGAG
CTCGGCTTCATCCCAGTAAGAACCAAGGGGATACAACCGCGGAGGCCGCAGGAGGACTAAGCATGGATGG
CAGCCGGAGAGTCAGAGCAACCTCTGTCCTCCCCAGATACAGCCCTCCATGCTTGTTTACAGGACACCTG
AGCACCAAGAGCAACGCTTTTTGCACTGATTCCTCTTCTCTCAGACTAAGCACCCTGCAGCTGGTCAAGA
ACCACATGGCTATTCACTATAATAAAATCCTTTCAGCCAAAGCCGCAGTGGACTGCTCAATTCCAGTAAG
TGTGAATACTAGCATCAAATATGCTGACCAACAACGAAGAGAAAAACTGAGGAAGGAGTTGGCACGGTGT
GAAAAGGAGTTTAAATTAAGTAAATCTGCTATGCAGACCAATTCTAAGATGAATTCCAAGTTCTTTGTAA
ATTCTCTACAGAAGCCCTCAGGGGAACCACAAGACCAGGATGTGTTCATAGAAGAAATGACAAGATACCC
ATCATTTTCAAAGTCACTCATCCCTTCTTCCGAGGGACTGCATCTAAGTCTGCCTGAATCAAGTAAGATG
CTCATGAGTGGCACCCAGAAGCATGCCAGCACCTCTCCATCCAGACACTCAGGCTGTGGGCATGGCTGCG
ACAGGCGGCCTCGGAGTGCCCACCAGTTCCAGGTAGCCCTCGCCAAGACCCCAAGTGGAGATCTGTTGGA
AAAGCACTCTGACCTCTTCTCTAACAAGCAGTCGCCATTCACTCCACGAACTTTAAAAACAGAAGCAAAG
TCCTTCCTGTCACAGTACCGCTACTACACACCTGCCAAAAGAAGAAAGGATTTTTCAGATCAGCGGATGG
AAGCTGAAACCCAAACTGAATTAAGCAGCTTTAACTCTGAGCTTGGGACAGCTGAGAAAACGAGCTCAAA
GGACTCAGAAGTGAACATAAACCAGGTACCTAATTACACGAGAAATGGTGCTGAAGACAAAATAGCTCCT
TTACCCTCACAAGGACAAAACTTAGCATGGGACAGTATTCAAGATGGGATTCTGCAGCAGTCCTCAGAAA
GGGCATCCTGTAAGCTCTCCACAGAGTTTTCTCCAGACAGTAAAATCTACTCTGATGAAGAAGAGCTGCT
GTACCTGAGTTTCATGGAAAATGTGACGGATGAAATCTTGAAACTTGGTTTATTTTCTAACAGGTTTCTA
GAGCGACTGTTTGAGCGACATATAAAGAAAAATAAACATCATTTGGAGGAGGGAAAGATGCGCTACCTGC
TGCATGGGCTGAAGGTTGACTTAGGCTGCATATCTGAGGAAGACCCAGCAAAGCAAAAACATTTCAGAAT
GTTGAATCAACTTCATTTTCAAAAGGCTCTGATTTCAAGAGAAAATGAGTTTGTAAGTGATGAAGAAACA
GTGAGTCACCACGAGCGCCAGCAGTACCAGGAGGCCCTGGACATGCTGTCGGCTGTGCCGAAGGACGAAA
ACAAGATGTTCTCTTTACCGGGCGAATTTTTAATACCCGCCCATAAAGTCAAGCATTCAGAGGGTGTTAT
AATTCAACAGGTCAATGACGAAACAGATAATGAAGCCTCACCCTGGAATGAAAACAATCCAAGTGTTTCT
GATAGTGTAATAGACCAGGAAACCTCTGTGGATGTCATTGAAGGTGACAGTGACTTTGAAAGGGCTGAGA
CTTCCAGGGAACTCTGTTGTCTGAGCACATCACTGTCCCCATCTGGTCCATTCCCCAGCATCAATGGTGG
CAGTAATCATGGTAAGGAATTATCGACTCTACGAATCATGGGAATGAGCATTGAAGACTGACCTCTGGAT
CTACATTAATAAACACTCCATGTGGCCAGTAACTCAATATTACTTTTCTTCTTTTTTTTTGTCCCCTTTT
ACATATTAAGATTTCTGTAATTTCAATGCTATGTAATAAATTACCACAATTTTAGTGTCTTGAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_178914

Insert Size: 1749 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:	BC046960, AAH46960
RefSeq Size:	2076 bp
RefSeq ORF:	1749 bp
Locus ID:	104871
UniProt ID:	Q80VP2
Cytogenetics:	12 E
Gene Summary:	Involved in the maintenance of both rod and cone photoreceptor cells (PubMed:25398945, PubMed:29100828, PubMed:29899041). Required for photoreceptor-specific localization of proximal connecting cilium (CC) proteins RPGR, AHI1, NPHP1, NPHP4, and RPGRIP1 at the distal CC, a photoreceptor-specific extension of the primary cilium transition zone (PubMed:25398945, PubMed:29100828, PubMed:29899041). Maintenance of protein localization at the photoreceptor-specific distal CC is essential for normal microtubule stability and to prevent photoreceptor degeneration (PubMed:25398945, PubMed:29899041). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest protein (isoform 1).