

Product datasheet for **SC112590**

SPATA7 (NM_018418) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA7 (NM_018418) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATA7
Synonyms:	HEL-S-296; HSD-3.1; HSD3; LCA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112590 sequence for NM_018418 edited (data generated by NextGen Sequencing)

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ATGGATGGCAGCCGGAGAGTCAAGCAACCTCTGTCTCCAGATATGGTCCACCGTGC
CTATTTAAAGGACTTTGAGCACCAAAAGTAATGCTTTTTGCACTGACTCCTCTCTCTC
AGACTAAGCACTCTCCAGCTGGTCAAGAATCACATGGCTGTTCACTATAATAAAATCCTT
TCAGCCAAGCTGCAGTAGACTGCTCGGTTCCAGTAAGCATGAGTACCAGCATAAAGTAT
GCAGACCAACAACGAAGAGAGAAAACCTCAAAAAGGAATTAGCACAAATGTGAAAAAGAGTTC
AAATTAACATAAACTGCAATGCGAGCCAATTATAAAAATAATTCCAAGTCACTTTTTAAT
ACCTTACAAAAGCCCTCAGGCGAACCGCAAATTGAGGATGACATGTTAAAAGAAGAAATG
AATGGATTTTCATCCTTTGCAAGGTCAGTACCCTCTTCAGAGAGACTACACCTAAGT
CTACATAAATCCAGTAAAGTCATCACAAATGGTCTGAGAAGAACTCCAGTTCCTCCCCG
TCCAGTGTGGATTATGCAGCCTCCGGGCCCGGAAACTGAGCTCTGGAGCCCTGTATGGC
AGAAGGCCGAGAAGCACATTCCTCAAAATCCCACCGGTTTCAGTTAGTCATTTGAAAGCA
CCCAGTGGGGATCTTTTGATAAACATTCTGAACCTTTTTCTAACAAACAATTGCCATTC
ACTCCTCGCACTTTAAAAACAGAAGCAAATCTTCTGTACAGTATCGCTATTATACA
CCTGCCAAAAGAAAAAGGATTTTACAGATCAACGGATAGAAGCTGAAACCCAGACTGAA
TTAAGCTTTAAATCTGAGTTGGGACAGCTGAGACTAAAAACATGACAGATTCAGAAATG
AACATAAAGCAGGCATCTAATTGTGTGACATATGATGCCAAAGAAAAATAGCTCCTTTA
CCTTTAGAAGGGCATGACTCAACATGGGATGAGATTAAGGATGATGCTCTTCAGCATTCC
TCACCAAGGGCAATGTGTGAGTATTCCTGAAGCCCCCTCAACTCGTAAAACTACTCT
GATGAAGAAGAACTGTTGTATCTGAGTTTCATTGAAGATGTAACAGATGAAATTTTGAAA
CTTGGTTTATTTTCAAACAGGTTTTTGAACGACTGTTTCGAGCGACATATAAAACAAAAT
AAACATTTGGAGGAGGAAAAAATGCGCCACCTGCTGCATGTCTGAAAGTAGACTTAGGC
TGCACATCGGAGGAAAACCTCGGTAAAGCAAATGATGTTGATATGTTGAATGATTTGAT
TTTGAAAAGGCTGGGAATTCAGAACCAAATGAATTAAAAATGAAAGTGAAGTAACAATT
CAGCAGGAACGTCAACAATACCAAAAAGGCTTTGGATATGTTATTGTGCGCACCAAGGAT
GAGAACGAGATATTCCCTTACCAACTGAATTTTTTCATGCCTATTTATAAATCAAAGCAT
TCAGAAGGGTTATAATTCAACAGGTGAATGATGAAACAAATCTTGAACTTCAACTTTG
GATGAAAATCATCCAAGTATTTTCAGACAGTTAACAGATCGGGAACTTCTGTGAATGTC
ATTGAAGGTGATAGTGACCCTGAAAAGGTTGAGATTTCAAATGGATTATGTGGTCTTAAC
ACATCACCTCCCAATCTGTTTCAGTTCTCCAGTGTCAAAGGCGACAATAATCATGACATG
GAGTTATCAACTCTAAAATCATGGAAATGAGCATTGAGGACTGCCCTTTGGATGTTAA

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Clone variation with respect to NM_018418.4
 220 g=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018418 unedited</p> <pre>TTGTAATACGACTTACTATAGGGCGGCCGCAATTCGGCACGAGGCTGGCGACGGTTTCC CTGCTGCTGCAGCCCCGTCGGCTCCTCTTTCCAGTCTCCACTGCCGGGGCTGGGCC GGCCGCGGAAGGACCGAAGGGGATACAGCGTGTCCCTGCGGGGCTGCAAGAGGACTAA GCATGGATGGCAGCCGGAGAGTCAGAGCAACCTCTGTCTTCCCAGATATGGTCCACCGT GCCTATTTAAAGGACACTTGAGCACCAAAAGTAATGCTTTTGCAGTACTCCTCTTCTC TCAGACTAAGCACTCTCCAGCTGGTCAAGAATCACATGGCTGTTCACTATAATAAAATCC TTTCAGCCAAAGCTGCAGTAGACTGCTCGGTTCCAGTAAGCATGAGTACCAGCATAAAGT ATGCAGACCAACAACGAAGAGAGAACTCAAAGGGAATTAGCACAATGTGAAAAAGAGT TCAAATTAACATAAACTGCAATGCGAGCCAATTATAAAAAATAATTCCAAGTCACTTTTTA ATACCTTACAAAAGCCCTCAGGGCAACCGCAAATTGAGGATGACATGTTAAAAGAAGAAA TGAATGGATTTTCATCCTTTGCAAGTCACTAGTACCCTCTTCAGAGAGACTACACCTAA GTCTACATAAATCCAGTAAAGTCATCACAATGGTCTGAGAAGAACTNCAGTTCCTCCC CGTNCAGTGTGGATTATGCAGCCTCCGGGCCCGGAACTGAGCTCTGGAGCCCTGTATGG CAGAAGGCCCANAAAGCACATCCCAAATCCACCGGTTTCAGNTAGTCATTTCGAAAGCAC CAGTGGGGATCTTTGGATAACATCCTGACTCTTTCTACAACATTGCCATTACTCTCG ACTTTAAACAGAACA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018418 unedited</p> <pre>GCGGCACGCTCTTGNATCGAGTTTTTTTTTTTTTTTTTTTTTGGAGTACTGGCCATTTGAG GTATTTATTAATGAAGATTAACATCCAAGGGCAGTCTCAATGCTCATTCCATGATTT TAAGAGTTGATAACTCCATGTCATGATTATTGTGCGCTTTGACTGGAGAACTGAACAG ATTGGGAGGGTGTGTGTTAAGACCACATAATCCATTTGAAATCTCAACCTTTTCAGGGT CACTATCACCTTCAATGACATTCACAGAAGTTCCCGATCTGTTAACTGTCTGAAATAC TTGGATGATTTTCATCAAAGTTGAAGTTTCAAGATTTGTTTCATCATTACCTGTTGAA TTATAACCCCTTCTGAATGCTTTGATTTATAAATAGGCATGAAAAATTCAGTTGGTGAAG GGAATATCTCGTCTCATCCTTTGGTGCCGACAATAACATATCCAAAGCCTTTTGGTATT GTTGACGTTCTGCTGAATGTTACTTCACTTTTCAATTTTTAATTCATTTGGTCTGAAT TCCCAGCCTTTTCAAATCAAATACATTCACATATCAACATCATTGCTTTACCGAGT TTTCTCCGATGTGCAGCCTAAGTCTACTTTGAGGACATGCAGCAGGTGGCGCATTTTT CCTCTCCAAATGTTTATTTGTTTTATATGTCGCTCGAACAGTGTCTAANAACCTGT TTGAAAAATAAACCAAGTTTCAAATTTTCACTGTTACATCTTCAATGAACTCAGATACA ACAGTTCTTTCTCATCAGAGTAGATTTTACGAGCTGAAAGCGGCTTCAGGGNATACTGAC CATTGCCCTTNGTGAGGATGCTGAANACATCATCCTTATCTCATNCCTGNTGAGTCATGC CCTCCTAAGTAAAGAGCATTTTTCTTGCATATTGTACACACTANATGCTGTCTATGTAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018418
Insert Size:	1800 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_018418.1](#), [NP_060888.1](#)

RefSeq Size: 2009 bp

RefSeq ORF: 1800 bp

Locus ID: 55812

UniProt ID: [Q9P0W8](#)

Cytogenetics: 14q31.3

Gene Summary: This gene, originally isolated from testis, is also expressed in retina. Mutations in this gene are associated with Leber congenital amaurosis and juvenile retinitis pigmentosa. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Transcript Variant: This variant (1) encodes the longer isoform (1).