

Product datasheet for **SC126076**

PASD5 (NPAS1) (NM_002517) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PASD5 (NPAS1) (NM_002517) Human Untagged Clone
Tag:	Tag Free
Symbol:	PASD5
Synonyms:	bHLHe11; MOP5; PASD5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_002517 edited
TGGGCGCCGAGAGCTGGGCGCCACAGCCCGCGCGTCCCCTGCGCCCCGCGCGCCCCGGG
GTCTATGGAGCTGCCCTCCGCGCCGCCCGGCCGCCACGCCGCGCCCCGGAGCCTGCT
CTGCGGCCAAGTAATCGGACTGGCGGTCTGCGGGAGACTCGGGGCTCGGAGCCCGCCTG
AGCGAGCCCCCGGAGATGGCGGCCCTATCCCGGCAGTGGCGGCGGAAGCGAGGTCAA
ATGCGTGGGAGGCCGCGGCCAGCGTCCCCTGGGACTTCTACCCGGGTGATGGTCAA
GGCGCGTCCGGACCGTGCCTGCAGGCGCAGCGCAAGGAGAAGTCCCGGAACGCGGCGCG
CTCGCGGCGCGGAAGGAGAACCCTGGAGTTCTTCGAGCTGGCCAAGCTTCTCCCGCTGCC
CGGCGCCATCTCCAGCCAGCTGGACAAGGCTTCCATCGTGCGCCTCAGCGTCACCTACCT
CCGCTGCGCCGTTGCGCGCTCTGGGGCGCCGCCCTGGGGGCTGAGAGCCGCGGGGCC
GCCAGTGGCCTCGCCCCAGGCCCGCGGCCCGCAGCGCTGGTCTCCGAAGTCTTCGA
GCAGCACCTGGGAGGTCACATCTTGCACTCCCTGGATGGCTTTGTGTTGCGCTTGAACCA
GGAAGGAAAATTCCTCTACATCTCAGAGACAGTCTCCATCTATCTGGGTCTCTACAGGT
GGAGATGACGGGCAGCAGCGTCTTCGACTACATTCACCCTGGGGACCACTCAGAGGTGCT
GGAGCAACTGGGGCTGCGGACGCGGACGCCCGGCCCCCAACCCCGCCCTCCGTCTCCTC
TTCTCTCTCTCTCTCTCTCGCTTGCAAGTACCCCGAGATCGAGGCCAGCCTACCAA
GGTCCCCCTCTCCCTGGTCCAGGAGCGCTCCTTCTTGTCCGCATGAAATCCACGCT
CACCAAGAGGGGGCTGCACGTCAAGGCCTCAGGGTACAAGGTATCCACGTGACTGGGGC
CCTTGGGGCCACGCCCTGGGCCCTGTGGCCCTCGGGCACACGTTGCCCCCGGCCCCCT
GGCTGAGCTGCCACTCCATGGACACATGATCGTCTTCCGTCTCAGCCTGGGTCTCACCAT
CCTTGCTGTGAGAGCAGAGTACGCGACCACATGGACCTGGGGCCCTCAGAGCTGGTGGG
CCGCAGCTGTACAGTTTGTCCACGGACAGGACGCCACGAGGATCCGCCAGAGCCACGT
GGACTTGCTGGACAAGGGTCAGGTGATGACTGGTACTACCGTTGGCTGCAGCGTGCCGG
GGGCTTCGTGTGCTGCAGTCTGTGGCCACAGTGGCTGGGAGCGGGAAGAGCCCGGGGA
GCACCATGTGCTTTGGGTGAGCCAGTGTCTCAGCCAAGCCGAGGGTGGCCAAACTCCTTT
GGATGCCTTCCAGCTTCCAGCCAGCGTGGCCTGTGAGGAGGCATCCAGCCGGGGCCAGA
GCCACAGAGCCGGAGCCTCCGACGGAAGGGAAGCAGGCTGCCCCAGCGGAGAACGAGGC
CCCCAGACCCAGGGCAAACGCATCAAAGTGGAGCCCGGCCGAGGGAAACCAAAGGCTC
CGAGGACAGTGGCGACGAGGATCCCTCCAGCCACCCGGCCACACCGAGGCCCGAGTTAC
CTCTGTATCCGGCAGGGTCTGAAGCAGGATCCGGTGCGGCCATGGGGCTGGCGCC
TCCCGGGGACCCCGCCACCCTCTGCACGCGGGCTTCTGCGCCGGTGGTGGCGGG
CCTGTGCACACCCGGCACCATCCGCTACGGCCCGCGGAGCTGGGCTGGTGTACCCGCA
CCTGCAGAGGCTGGGTCCGGGCCCGCGCTCCCGAGGCCTTTTACCCGCCCTGGGCT
GCCCTACCCGGGGCCCGCGGCCACAGGCTGCCCGGAAGGGGGACTGAGGACTGGCAGA
GCTGCCGGCGCCGACCTGCGACAACCGGGTCCCCAGGACAGTAGGCCCGGCTCTGC
CCGTAGCCCTGAGAAATTAACGCCGGCTCTCCCTGCAGTGGTTTGGGCTCCGGAATAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002517 unedited GGGACTAGATTTGTATACGACTTACTATAGGCGGCCGCGTATTCACATCTGGTACCGGTC CGGAATCCCCTGGGATTGGGCGCCGAGAGCTGGGCGCCACAGCCCGCGCGTCCCCTGCGC CCCGCGCCCCCGGGTCTATGGAGCTGCCCTCCGCGCCCGCCGGCCGCCCCACGCCG CGCCGGAGCCTGCTCTGCGCCAAGTAATCGGACTGGCGGTCTGCGGGAGACTCGGGG CTCGGAGCCCGCTGAGCGAGCCCCCGGAGATGGCGGCCCTATCCCGGCAGTGGCGG CGGAAGCGAGGTCAAATGCGTGGGAGCCCGCGGCCAGCGTCCCCTGGGACTTTCTACC CGGGTGTGGTCAAGGCGCCGTCGGACCGTGCCTGCAGGCGCAGCGCAAGGAGAAGTC CCGGAACGCGGCCGCTCGCGGCCGCGGAAGGAGAACCTGGAGTTCTTCGAGCTGGCCAA GCTTCTCCCGCTGCCCGGCCATCTCCAGCCAGCTGGACAAGGCTTCCATCGTGCGCCT CAGCGTACCTACCTCCGCTGCGCCGTTTCGCCGCTCTGGGGCGCCGCCCTGGGGCT GAGAGCCGCGGGCCGAGCTGGCCTCNCCCANGCCGCGCGGCCCGCAGCGCTGGT CTCCGAAATCTTCGAGCAGCACCTGGGAGGTCACATCTTGCAGTCCCTGGATGGCTTTGT GTTTCGCTTGACCAGGGAGGAAAATTCCTCTACATCTCAGAAACAGTCTCCATCTATCT GGGTTCTTACAGGGGAGATGACGGGCAGTAGCGTCTTTCGACTACATTCACCCGGGGG CCACTTCGAGGGCTGGAACAACCTGGGGTGGGGTCCCGGAGCCGGTCTCTCGAACCCG CCCTTGGTTGTCTAA
Restriction Sites:	Please inquire
ACCN:	NM_002517
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:	<ol style="list-style-type: none"> 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_002517.2 , NP_002508.2
RefSeq Size:	2066 bp
RefSeq ORF:	1773 bp
Locus ID:	4861
UniProt ID:	Q99742
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. Studies of a related mouse gene suggest that it functions in neurons. The exact function of this gene is unclear, but it may play protective or modulatory roles during late embryogenesis and postnatal development. [provided by RefSeq, Jul 2008]