

Product datasheet for **SC327248**

NPAS3 (NM_001165893) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPAS3 (NM_001165893) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPAS3
Synonyms:	bHLHe12; MOP6; PASD6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001165893 edited
 GAATTCATGGCGCCACCAAGCCAGCTTTCAGCAGGATCCTTCCAGGCGAGAACGTTT
 CAAGCATTGAGAAAGGAGAAATCCCGAGATGCTGCTCGCTCCCGCCGGGAAAAGAAAAC
 TTTGAGTTCTATGAATTGGCCAAGTTGTTGCCTCTTCTCGACGCCATTACCAGCCAGCTC
 GACAAGGCATCCATCATTGACTTACAATTAGCTATCTGAAAAAGAGGGACTTTGCTAAC
 CAGGGGGACCCCTCCGTGGAACCTGCGAATGGAAGGCCCTCCACCTAACACATCAGTAAAA
 GTTATAGGTGCACAGCGAAGGAGAAGCCCAAGTGCCTAGCCATTGAAGTATTTGAAGCA
 CATTTGGGAAGCCACATTTTGCAGTCCCTGGATGGCTTTGTATTTGCACTAAATCAGGAA
 GGAAAAATTTTGTACATTTCCGAAAACAGTCTCCATCTACCTAGGCCTCTCACAAGTGGAG
 CTGACAGGCAGCAGTGTCTTTGACTATGTCCACCCCGGAGATCACGTGGAGATGGCTGAG
 CAGCTGGGCATGAAGCTCCCCCTGGGCGGGTCTCCTGTACAGGGCACTGCTGAGGAC
 GGAGCCAGCTCAGCATCTTCTCTCTCAGTCCGAGACCCCGAGCCAGTGGAGTCAACC
 AGCCCCAGTCTGCTAACCACTGACAACACTCTTGAGCGTTCCTTTTTCATCCGAATGAAA
 TCTACTCTGACCAAACCGGTGTGCACATCAAATCATCAGGATATAAGGTGATTCACATA
 ACAGGCCGGCTACGCCTGAGAGTGTGCTGTCCCACGGGAGGACCGTCCCAGCCAAATC
 ATGGGTCTCGTGGTTGTTGCGCATGCCTTGCTCCCCCTACGATCAATGAAGTCAGAATT
 GACTGCCATATGTTGCTCACTCGAGTAAATATGGACCTCAATATCATTTACTGTGAAAAAT
 AGGATTAGTGATTATATGGATCTGACCCCTGTAGATATCGTAGGGAAGAGATGCTACCAC
 TTCATCCATGCTGAAGACGTGGAGGGCATCAGGCACAGTCACTTGGACTTGTGTAATAAG
 GGTCAAGTGTGACAAAGTACTATCGCTGGATGCAGAAGAAGCGAGGATATATTTGGATA
 CAGTCCAGTGCCACCATAGCTATTAATGCCAAGAATGCAAATGAAAAGAATATCATCTGG
 GTGAATTACCTTCTTAGCAATCTGAGTACAAGGACACACCCATGGACATCGCACAGCTC
 CCCCATCTGCCGGAGAAAACCTCCGAATCTCGGAGACATCCGACTCTGAGTCAAGTCT
 AAAGACACCTCAGGTATTACAGAGGACAACGAGAATCCAAAGTCCGACGAGAAGGGGAAC
 CAGTCCGAGAACAGCGAAGACCCGGAGCCGACCGGAAGAAGTCCGGCAACGCGTGTGAC
 AACGACATGAACTGCAACGACGACGCGCCACAGCTCCAGTAACCCGGACAGCCGCGACAGC
 GACGACAGCTTCGAGCACTCGGACTTTGAGAACCCCAAGCGGGCGAGGACGGCTTCGGT
 GCTCTGGGCGGATGCAGATCAAGGTGGAGCGCTACGTGGAGAGCGAGTCCGACCTGCGG
 CTGCAGAACTGCGAGTCACTCACGTCCGACAGCGCAAGGACTCGGACAGCGCAGGCGAG
 GCGGGCGCGCAGGCTCCAGCAAGCACCAGAAGCGCAAGAAAAGGCGGAAACGGCAAAAAG
 GCGGGCAGCGCCAGCCGCGCGCTGTCCAGCGCGTCCGAGCCAGGCGGCTGGACGCG
 GGCTGTGGAGCCCCCGCGCTGTGTCTCCCAACAGTGCCTCGGTGCTCAAGATC
 AAGACGGAGATCTCAGAACCCATCAATTTGCAATGACAGCAGCATCTGGAACACCCG
 CCCAACCGGGAGATCTCCAGGAACGAGTCCCCCTACAGCATGACCAAGCCCCCAGCTCT
 GAGCACTTCCCGTCCCCGAGGGCGGGCGGTGGGGGTGGCGGTGGCGGGGGGCTGCAC
 GTGGCCATTCCCGACTCGGTCTCACCCGCGCGCGGACGGCGCGGCGCGCCGCAAG
 ACTCAGTTCGGCGCTCGGCCACCGCGCCCTGGCCCCGTCGCTCCGACCCGCTGTCA
 CCCCCGCTCTCGGCGTCCCCGCGGACAAGCACCAGGGAACGGCGGGGGGGGGGGGG
 GGGGGCGGCGCGGG
 GACCTGGAGGCGCTGCAGAGTTGCAGGCGGGCAACGTCGTGCTCCCGTGGTGCACAGG
 GTGACCGGACCTGGCCGCCACAGCAGCGCCGCGCAGAGGGTCTACACCACGGGCACC
 ATCCGCTACGCGCCCGGAGGTGACCCTGGCCATGCAGAGCAACCTGCTGCCAACGCG
 CACGCTGTTAACTTCGTGACGTTAACAGCCCCGGCTTTGGCCTCGACCCCAAGACGCC
 ATGGAGATGCTCTACCACCAGTGCACCGGCTCAACATGTCAGGACCGTTCCGGCGGCGCA
 GTGAGCGCAGCTAGCCTGACGAGATGCCCGCGGCAACGTGTTACCACGGCCGAGGGA
 CTCTTCTCCACGCTGCCCTTCCCGTCTACAGCAACGGCATCCACGCGGCACAGACTCTG
 GAGCGCAAGGAGGACTGATCTAGATCTC

Restriction Sites: Please inquire
ACCN: NM_001165893
Insert Size: 2700 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001165893.1.
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:	<u>NM_001165893.1, NP_001159365.1</u>
RefSeq Size:	5849 bp
RefSeq ORF:	2712 bp
Locus ID:	64067
UniProt ID:	<u>Q8IXF0</u>
Cytogenetics:	14q13.1
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of the basic helix-loop-helix and PAS domain-containing family of transcription factors. The encoded protein is localized to the nucleus and may regulate genes involved in neurogenesis. Chromosomal abnormalities that affect the coding potential of this gene are associated with schizophrenia and cognitive disability. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (4) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (4) is shorter than 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.</p>