

## Product datasheet for **SC327254**

### NPAS3 (NM\_001164749) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPAS3 (NM_001164749) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPAS3
Synonyms:	bHLHe12; MOP6; PASD6
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene ORF sequence for NM\_001164749 edited  
 ATGGCGCCACCAAGCCAGCTTTCAGCAGGATCCTTCCAGGCGAGAACGAATAACTGCC  
 CAGCATCTCTGCCAACCAATCAGAATGTAGGAAAATCTACAGATATGACGGAATCTAC  
 TGTGAATCTACCTACCAGAAATTTACAAGCATTGAGAAAGGAGAAATCCCAGATGCTGCT  
 CGCTCCCGCCGGGAAAAGAAAACCTTTGAGTCTATGAATTGGCCAAGTTGTTGCCTCTT  
 CCTGCAGCCATTACCAGCCAGCTCGACAAGGCATCCATCATTGACTTACAATTAGCTAT  
 CTGAAAATGAGGGACTTTGCTAACCCAGGGGGACCCTCCGTGGAACCTGCGAATGGAAGGC  
 CCTCCACCTAACACATCAGTAAAAGTTATAGGTGCACAGCGAAGGAGAAGCCCCAGTGCA  
 CTAGCCATTGAAGTATTTGAAGCACATTTGGGAAGCCACATTTTGCAGTCCCTGGATGGC  
 TTTGTATTTGACTAAATCAGGAAGGAAAATTTTGTACATTTCCGAAACAGTCTCCATC  
 TACCTAGGCTCTCACAAGTGGAGCTGACAGGCAGCAGTGTCTTTGACTATGTCCACCCC  
 GGAGATCACGTGGAGATGGCTGAGCAGCTGGGCATGAAGTCCCCCTGGGCGGGGTCTC  
 CTGTACAGGGCACTGCTGAGGACGGAGCCAGCTCAGCATCTTCTCCTCTCAGTCGGAG  
 ACCCCCGAGCCAGTGGAGTCAACCAGCCCCAGTCTGCTAACCACTGACAACACTTTGAG  
 CGTTCTTTTTTATCCGAATGAAATCTACTCTGACCAAACGCGGTGTGCATCAATCA  
 TCAGGATATAAGGTGATTACATAAACAGGCCGGTACGCCGTGAGAGTGTGCTGTCCCAC  
 GGGAGGACCGTCCCAGCCAAATCATGGGTCTCGTGGTGTGGCGCATGCCTTGCCCTCC  
 CCTACGATCAATGAAGTCAGAATTGACTGCCATATGTTTCGTCACTCGAGTAAATATGGAC  
 CTCAATATCATTACTGTGAAAATAGGATTAGTGATTATATGGATCTGACCCCTGTAGAT  
 ATCGTAGGGAAGAGATGCTACCCTTATCCATGCTGAAGACGTGGAGGGCATCAGGCAC  
 AGTCACTTGGACTTGCTGAATAAGGGTCAGTGTGTGACAAAGTACTATCGCTGGATGCAG  
 AAGAACGGAGGATATATTTGGATACAGTCCAGTCCACCATAGCTATTAATGCCAAGAAT  
 GCAAATGAAAAGAATATCATCTGGGTGAATTACCTTCTTAGCAATCCTGAGTACAAGAC  
 ACACCCATGGACATCGCACAGCTCCCCCATCTGCCGGAGAAAACCTCCGAATCCTCGGAG  
 ACATCCGACTCTGAGTCAGACTCTAAAGACACCTCAGGTATTACAGAGGACAACGAGAAC  
 TCCAAGTCCGACGAGAAGGGGAACCAAGTCCGAGAACAGCGAAGACCCGGAGCCCGACCGG  
 AAGAAGTCGGGCAACGCGTGTGACAACGACATGAACTGCAACGACGACGGCCACAGCTCC  
 AGTAACCCGGACAGCCGACAGCGACAGCTTCGAGCACTCGGACTTTGAGAACCCC  
 AAGGCGGGCGAGGACGGCTTCGGTGTCTGGGCGCGATGCAGATCAAGGTGGAGCGCTAC  
 GTGGAGAGCGAGTCGGACCTGCGGCTGCAGAACTGCGAGTCACTCACGTCGACAGCGCC  
 AAGGACTCGGACAGCGCAGGCGAGGCGGGCGCGCAGGCCCTCCAGCAAGCACCAGAAGCGC  
 AAGAAAAGGCGGAAACGGCAAAAAGGGCGGCAAGCCAGCCGCGCGCCTGTCCAGCGCG  
 TCGAGCCAGGCGGCTGGACGCGGGCCTGGTGGAGCCCCGCGGCTGCTGTCTCCCCC  
 AACAGTGCCTCGGTGCTCAAGATCAAGACGGAGATCTCAGAACCCATCAATTTGACAAT  
 GACAGCAGCATCTGGAATACCCGCCAACCCGGGAGATCTCCAGGAACGAGTCCCCTAC  
 AGCATGACCAAGCCCCCAGCTCTGAGCACTTCCCGTCCCCGAGGGCGGGCGGGTGGG  
 GGTGGCGGTGGCGGGGGGCTGCACGTGGCCATTCGCACTCGGTCTCACCCGCCCCGGC  
 GCCGACGGCGCGGCCGCCCAAGACTCAGTTCGGCGCCTCGGCCACCGCGGCCCTGGCC  
 CCGTGCCTCCGACCCGCTGTACCCCGCTCTCGGCGTCCCCGCGGGACAAGCACCCC  
 GGGAAACGGCGGGGGGGCGGGGGCGGGCGCGCGGGGGGGCGGGGCCCCAGCGCG  
 TCCAACCTCTTGCTGTACTACTGGGGACCTGGAGGCGCTGCAGAGTTGCAGGCGGGCAAC  
 GTCGTGCTCCCGTGGTGCACAGGGTGACCGGGACCCTGGCCGCCACCAGCACGGCCGCG  
 CAGAGGTCTACACCAGGGCACCATCCGCTACGCGCCCGCGAGGTGACCCTGGCCATG  
 CAGAGCAACTGCTGCCAACGCGCAGCTGTTAACTTCGTGGACGTTAACAGCCCCGGC  
 TTTGGCCTCGACCCAAGACGCCATGGAGATGCTCTACCACCAGTGCACCGGCTCAAC  
 ATGTCAGGACCGTTCGGCGGCGCAGTGAAGCGCAGCTAGCCTGACGCAGATGCCCGCGGC  
 AACGTGTTCAACACGGCCGAGGGACTCTTCTCCACGCTGCCCTTCCCCGTCTACAGCAAC  
 GGCATCCACGCGCACAGACTCTGGAGCGCAAGGAGGACTGA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001164749

<b>Insert Size:</b>	2800 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001164749.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001164749.1, NP_001158221.1</u>
<b>RefSeq Size:</b>	5939 bp
<b>RefSeq ORF:</b>	2802 bp
<b>Locus ID:</b>	64067
<b>UniProt ID:</b>	<u>Q8IXF0</u>
<b>Cytogenetics:</b>	14q13.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<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 (1) represents the longest transcript and encodes the longest 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>