

Product datasheet for **MR215623**

Npas3 (NM_013780) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npas3 (NM_013780) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npas3
Synonyms:	4930423H22Rik; bHLHe12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR215623 representing NM_013780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAGGGCCGGCGCCGGCCAACGGCACCCCGCAGAACGTCCAGGGCATCACCTCCTACCAGCAGC
 GAATAACTGCCAGCATCCTCTGCCAACAATCAGAATGTAGGAAAATCTACAGATATGACGGAATCTA
 CTGTGAATCTACCTACCGAATTTACAAGCACTGAGAAAGGAGAAATCCAGAGATGCTGCTCGATCCCGC
 CGGGGAAAAGAAAATTTGAGTTCTATGAATTGGCCAAGCTGTTGCCTCTTCTGCCGCATCACAGCC
 AGCTCGACAAGGCATCCATCATCCGACTTACAATTAGTTATCTCAAGATGAGAGACTTTGCCAACCAAGG
 GGATCCTCCATGGAACCTGAGGATGGAAGGCCCTCCACCAACACCTCAGTAAAAGGTGCACAACGAAGG
 CGGAGCCCCAGCGCACTGGCCATTGAAGTATTTGAAGCACATTTGGGAAGCCACATTTTGCAGTCCCTGG
 ATGGCTTCGTATTTGCACTAAATCAAGAAGGAAAATTTTGTACATTTCTGAAACCGTCTCTATCTACCT
 AGGCCCTCACAAGTGGAGCTGACAGGTAGCAGCGTCTTTGACTATGTCCACCCTGGGGACCACGTGGAG
 ATGGCAGAGCAGCTGGGCATGAAGCTCCCGCTGGGCGGGTCTCCTCTCGCAGGGCACACAGAGGACG
 CGGCCAGTTCAGCATCTTCTCTTCTCAGTCAGAGACCCCTGAGCCAGTGGAGACGACCAGCCCTAGTCT
 GCTAACCCAGGACAACACCCCTTGAACGGTCTTTTTTATCCGAATGAAGTCTACTCTGACCAAACGTGGA
 GTCCACATCAAGTCATCTGGGTATAAGGTGATTCACATAACAGGCCGGCTTCGCCTCAGAGTGTCTGT
 CCCACGGGAGGACCGTCCCAGCCAAATCATGGGTCTGGTGGTTGTGGCTCACGCCTTGCCTCCCCTAC
 GATCAATGAAGTCAGAATTGACTGCCATATGTTCTGCTACTCGAGTAAACATGGATCTCAATATCATTAC
 TGTGAAAATAGGATTAGTGATTACATGGATCTGACCCCTGTAGACATCGTAGGAAAAGATGTACCCT
 TCATCCATGCCAAGATGTAGAAGGCATCAGGCACAGTCACCTGGACTTGCTGAATAAGGGTCAAGTGT
 GACCAAGTACTACCGCTGGATGCAGAAGAATGGAGGCTACATCTGGATACAGTCTAGTGCCACCATAGCT
 ATTAATGCGAAGAATGCAATGAGAAGAATCATCTGGGTGAATTATCTTCTTAGTAATCCGGAGTACA
 AGGACACACCCATGGACATTGCGCAACTCCCGCATTTGCCAGAGAAAGCGTCAGAATCCTCAGAGACATC
 CGACTCTGAGTCAGACTCTAAAGACACCTCAGGTATTACAGAGGACAATGAGAACTCCAAGTCCGACGAG
 AAGGGCAATCAGTCCGAGAATAGCGAAGATCCGGAGCCTGACCGCAAGAAGTCAGGCAGCGCATGCGACA
 ACGACATGAAGTGAACGACGATGGCCACAGCTCCAGCAACCCGGACAGCCGTGACAGCGACGACAGCTT
 CGAGCACTCGGACTTTGAACACCCCAAGGCGGCCGAGGATGGCTTCGGCGCGCTGGGCCCTATGCAGATC
 AAAGTGGAGCGCTACGTGGAGAGCGAGGCGGACCTGCGACTGCAGCCCTGCGAGTCGCTCACGTCCGACA
 GCGCCAAGGACTCAGACAGCGCAACGAGGCGGGCGCTCAGGCATCCAGCAAGCACCAGAAGCGCAAGCG
 GCGGCGGAAACGGCAGAAGGGCGGCAGCGCCAGTCCGCGACGCGCTGTCCAGCGCTCCAGCCAGGCGCTG
 GACGCCGGTCTGGTGGAGCCTCCGCGGCTGCTGTTCATCGCCGACAGCGCCTCTGTGCTCAAGATCAAGA
 CAGAGATCGCCGAGCCCATCAACTTCGACAACGACAGCAGCATCTGGAATACCCGCCAACCCGGGAGAT
 CTCCAGGAACGAATCCCGTACAGCATGACCAAGCCCCACCTCCGAGCACTTCCCGTCCCAGGAGGCG
 CAGGGAGGACAGCGGTGGCGGGGAGCGCTGCACGTGGCCATCCCGACTCGGTCTCACCCACCGG
 GCGCCGATGGCACAGCTGGCCGAAGACTCAGTTCAGCGGCACAGCCCGGTGCCCTCTGATCCACTGTC
 GCCCCGCTCTCTGCGTCCCCGCGGACAAGCACCCCGGGGGCGGGGAGTGGCGGGGTGGCCCT
 GGTGCATCCAACCTCCTTGTGTACTGAGGACCTGGAGGCCCTGCAGAGGTTGCAAGCGGCAACGTCG
 TGCTTCCGCTGGTGCACCGGTTGACCGGACCCTGGCAGCCACCAGCACGCCGACAGAGGTTCTACAC
 CACGGGCACTATCCGCTACGCACCCGCTGAGGTGACCCTGGCCATGCAGGGCAACCTGCTACCCAACGCG
 CATGCTGTAACTTCGTGGACGTTAACAGCCAGGCTTTGGCCTCGACCCCAAGACCCATGGAGATGC
 TCTACCACCAGTGCACCGACTCAACATGTCAGGACCATTTGGCGGCGCCGTGAGCGCGGCCAGCCTCAC
 ACAGATGCCAGGTGGCAACGTGTTACCCACAGCCGAGGACTCTTCTCCACGCTGCCCTCCAGTCTAC
 AGCAACGGTATCCACGGCACAGACTCTGGAGCGCAAGGAGGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215623 representing NM_013780
 Red=Cloning site Green=Tags(s)

MGRAGAAANGTPQNVQGITSYQQRITAQHPLPNQSECRKIYRYDGIYCESTYQNLQALRKEKSRDAARSR
 RGKENFEFYELAKLLPLPAAITSQLDKASIRLTISYLKMRDFANQGDPPWNLRMGPPNNTSVKGAQRR
 RSPSALATIEVFEAHLGSHILQSLDGFVFNQEGKFLYISETVSIYGLSQVELTGSSVFDYVHPGDHVE
 MAEQLGMKLPGRGLLSQGTTEAASSASSSSQSETPPEPVETSPSLLTTDNTLERSFFIRMKSTLTKRG
 VHIKSSGYKVIHITGRLRLRVSLSHGRVPSQIMGLVVVAHALPPPTINEVRIDCHMFVTRVNMDLNIIY
 CENRISDYMDLTPVDIVGKRCYHFIIHAEDVEGIRHSHLDLLNKGQCVTKYYRWMQKNGGYIWIQSSATIA
 INAKNANEKNIWVNYLLSNPEYKDTMPDIAQLPHLPEKASESETSDSESDSKDTSGITEDNENSKSDE
 KGNQSENSEDPEPDRKSGSACDNDMNCNDGHSNPNDRSDSDSFEHSDFEHPKAAEDGFALGPMQI
 KVERYVESEADLRLQPCESLTSDSAKSDSANEAGAQAASSKHQKRKRKRKRQKGGASRRRLSSASSPGL
 DAGLVEPPRLSSPHSASVLKIKTEIAEPINFNDSSIWNYPPNREISRNE SPYSMTKPPTSEHFSPQG
 QGGSSGGGALHVAIPDSVLTPPGADGTAGRKTFSGTAPVSPDPLSPPLSASPRDKHPGGGAGSGGGGP
 GASNSLLYTDLEALQRLQAGNVVLPVHRVTGLAATSTAAQRVYTTGTIRYAPAEVTLAMQGNLLPNA
 HAVNFVDVNSPGFGLDPKTPMEMLYHHVHRLNMSGPFGGAVSAASLTQMPGGNVFTAEGFLSTLFPFVY
 SNGIHAQAQLERKED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9049_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

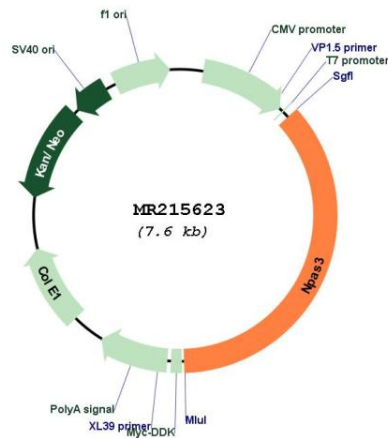


* The last codon before the Stop codon of the ORF

ACCN: NM_013780

ORF Size: 2775 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_013780.2, NP_038808.2</u>
RefSeq Size:	5879 bp
RefSeq ORF:	2778 bp
Locus ID:	27386
Cytogenetics:	12 C1
MW:	100.9 kDa

Product images:


Circular map for MR215623