

Product datasheet for **SC122738**

Neurogenin 1 (NEUROG1) (NM_006161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurogenin 1 (NEUROG1) (NM_006161) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurogenin 1
Synonyms:	AKA; bHLHa6; Math4C; NEUROD3; ngn1
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_006161 edited
CACACGAGCTGATCTGATCGCCGGCGACATCACTCAGGAGACCGGCCGGGCGCTGGCCC
CTGCAGGCGAGGCGAGGAGGCCAGGCCAAGTTCTCCGTGCGCCCCGACCCCTCCAGGC
TCTCGACCCGCAACTGGCACAGAGTAACAACCCAGGCTGTTGGGAACGTAAGTGCGCC
CTGGCGGCTCTGCCCTCAGTCCGGGCTGCAGCGCTCTGAGCGCTTTCTATCTGTCCGTC
GGTCTGCACAGCGCAACGATGCCAGCCCGCTTGAGACCTGCATCTCCGACCTCGACTG
CGCCAGCAGCAGCGCAGTGCCTATCCGGCTTCTCACCGACGAGGAAGACTGTGCCAG
ACTCCAACAGGCAGCCTCCGCTTCGGGGCCGCCGCCGCCGCCAGGGGCGCGCCCAA
TATCTCCCGGGCTCTGAGGTTCCAGGGGCACAGGACGACGAGCAGGAGAGGGCGCGCGG
CCGCGGCCGACGCGGTCCGCTCCGAGGCGTCTGCACTCGCTGCGCAGGAGCCGGCG
CGTCAAGGCCAACGATCGCGAGCGCAACCGCATGCACAATTGAACGCGGCCCTGGACGC
ACTGCGCAGCGTCTGCCCTCGTTCGCCGACGACACCAAGCTCACAAAATCGAGACGCT
GCGCTTCGCTACAACACTACATCTGGGCTCTGGCCGAGACTGCGCTGGCGGATCAAGG
GCTGCCCGGAGGGGTGCCCGGAGCGCTCCTGCCGCCGAGTGGTCCCTGCCTGCC
CGGTCCCAAGCCCGCAGCGACGCGGAGTCTGGGGCTCAGGTGCCCGCCGCCCTC
CCCGCTCTGACCCAGTAGCCAGCCGCTCCGAAGACTTCACTACCGCCCCGGCGA
CCCTGTTTTCTCCTTCCAAGCCTGCCAAAGACTTGCTCCACACAACGCCCTGTTTCAT
TCCTTACCACTAGGCCCTTGTAGACACTGTTACTTTCCCTCCCTAGTCAGCAGGCA
ATAGATGGGGCCCGAGTGCCTCGGACCCCTCTCCAGGCGGAGGGAGGAAGCGGG
AGCTTTAAAGCAGTCGGGATACCTGAGCCGCTTGTAGGTGCGCCGACCCCTCGCGGCG
ATGTCTCTGGTCTGTTCTCCGGCCCTCAGCCAGCGCCCTCCTGCCCGCCCTAGAC
GGCTTTCTTTTGCACCTTCTGAACTCCACAAAACCTCTTTGTGACTGGCTCAGAAT
GACCCAGCCACCACTTCACTGTGATTTAGAAAAGGGACAGATCAGCCCTGAAGCAG
GTGAAAAGTCAATTTTACAATTTGTAGAACTCTAATGAAGAAAACGAGCATGAAAATTC
GGTTTGAGCCGGCTGACAATACAATGAAAAGGCTTAAAAAGCAGAGACAAGGAGTGGGCT
TCATGCATTATGGATCCCGACCCCACTGCAGACTCGCTCTAGGAAGAACTGGAGAC
TCTTGCTTAGCTATTCAGGCACAGGGCTGGAGAGTACTTTAATTTATTCAAGATGCTTCA
TTCATATGAAAATGATTTTTGTACATAAAGAGTTTATTCTATTATGAGCTATCAAAGTT
TACATTTTGTACTGCAGACGCTTCATGTAATAAAAACTAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006161 unedited
NGGTTCCGATTTGTATACGACTCATATAGGCGGGCCGCGATTCCCGGGTATCGTCGACC
CACGCGTCCGCACACGAGCTGATCTGATCGCCGGCGACATCACTCAGGAGACCGGCCGG
CGCGTGGCCCCCTGCAGGCGAGGCGAGGAGGCCAGGCCAAGTTCTCCGTGCGCCCCGAC
CCTTCCAGGCTCTCGACCCGCAACTGGCACAGAGTAACAACCCAGGCTGTTGGGAACG
TAAGTGCGCCCTGGCGGCTCTGCCCTCAGTCCGGGCTGCAGCGCTCTGAGCGCTTTCTA
TCTGTCCGTGCGTCTGCACAGCGCAACGATGCCAGCCCGCTTGAGACCTGCATCTCCG
ACCTCGACTGCGCCAGCAGCAGCGGACGTGACCTATCCGGCTTCTCACCGACGAGGAAG
ACTGTGCCAGACTCCAACAGGCAGCCTCCGCTTCGGGGCCGCCGCCGCCCGCAGGG
GCGCGCCCAATATCTCCCGGGCTCTGAGGTTCCAGGGGCACAGGACGACGAGCAGGAGA
GGCGGGCGCGCCGCGGCCGACGCGGTCCGCTCCGAGGCGTCTGCACTCGCTGCGCA
NGAGCCGGCGGTCAAGGCCAACGATCGCGAGCGCAACCGCATGCACAATTGAACGCGG
CCCTGGACGACTGCGCAGCGTCTGCCCTCGTTCGCCGACGACCAAGCTCACAAA
TCGAGACGCTGCGCTTCGCTACAACACTACATCTGGGCTCTGGCCGAGACTGCGCTGG
GCGATCAAGGGCTGCCCGGAGGCGTCCCNNGAGCGCTNCTGCCGNCAGTGGCTCC
CCTGCCTGCCCGTCCCNAGCCGCCAGCGACGCGGAGTCTGGGGCTCAGTGGCNCG
CCGNCTCCCGTCTCTGACCCAA

Restriction Sites: Please inquire

ACCN: NM_006161

Insert Size: 1675 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:	<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_006161.2 , NP_006152.2
RefSeq Size:	1717 bp
RefSeq ORF:	714 bp
Locus ID:	4762
UniProt ID:	Q92886
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	Acts as a transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis (By similarity).[UniProtKB/Swiss-Prot Function]