

Product datasheet for **SC213424**

Nkx2.5 (NKX2-5) (NM_001166176) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Nkx2.5 (NKX2-5) (NM_001166176) Human 3' UTR Clone
Symbol:	Nkx2.5
Synonyms:	CHNG5; CSX; CSX1; HLHS2; NKX2.5; NKX2E; NKX4-1; VSD3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001166176
Insert Size:	1264 bp



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Insert Sequence: >SC213424 3'UTR clone of NM_001166176
 The sequence shown below is from the reference sequence of NM_001166176. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGTGGCTCCCAGTGCACCTTGGCAGAGTAGCCCGCAGCCAGCTGGGCGCTCCAGGCAGGACACAGTGGC
CTCCACGAGGATCCCTTACCATTACTGTGCGGCCGCGCTCCGTAGGTCAAGCCGCTTTACCAAGCGTC
TCTCTGCCTCTGTTCCTCCCTCAGAGCTGTGCGCGCTGCAGAAGGCGGTGGAGCTGGAGAAGACAGAG
GCGGACAACGCGGAGCGGCCCGGGCGCGACGGCGGAGGAAGCCGCGCTGCTTCTCGCAGGCGCAG
GTCTATGAGCTGGAGCGGCGTTCAAGCAGCAGCGGTACCTGTCGGCCCCGAACGCGACCAGCTGGCC
AGCGTGTGAAACTCACGTCCACGCAGGTCAAGATCTGGTTCCAGAACCAGCGCTACAAGTGCAAGCGG
CAGCGGCAGGACCAGACTCTGGAGCTGGTGGGGTGCCTCCCGCCGCCGCCGCCCTGCCCGAGGATC
GCGGTGCCAGTGTGGTGCAGATGGCAAGCCATGCCTAGGGGACTCGGCCCTACGCGCTGCCTAC
GGCGTGGGCCTCAATCCCTACGGTTATAACGCCTACCCCGCTATCCGGTTACGGCGGGCGGGCCCTGC
AGCCCTGGCTACAGCTGCACTGCCGCTTACCCCGCCGGGCTTCCCAGCGCAGCCGGCCACTGCCGCC
GCCAACAACTTTCGTGAATTCGGCGTGGGGACTTGAATGCGGTTTACAGACCCCGGGATTCCCGCAG
AGCAACTCGGGAGTGTCCACGCTGCATGGTATCCGAGCCTGGTAGGGAAGGGACCCGCGTGGCGCGACC
CTGACCGATCCCACCTCAACAGCTCCCTGACTCTCGGGGGGAGAAGGGGCTCCCAACATGACCCTGAGT
CCCCTGGATTTTGATTCACTCCTGCGGAGACCTAGGAACCTTTTCTGTCCCACGCGCTTTGTTCTTG
CGCACGGGAGAGTTTGTGGCGGCGATTATGCAGCGTGAATGAGTGATCCTGCAGCCTGGTGTCTTAGC
TGTCCCCCAGGAGTGCCTCCGAGAGTCCATGGGCACCCCGGTTGGAAGTGGGACTGAGCTCGGGCA
CGCAGGGCCTGAGATCTGGCCGCCATTCCGCGAGCCAGGGCCGGGCGCCCGGGCCTTTGCTATCTCGC
CGTCGCCCGCCACGCACCCACCGTATTTATGTTTTTACCTATTGCTGTAAAGAAATGACGATCCCTT
CCCATTAAGAGAGTGCCTTGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001166176.2](#)

Summary: This gene encodes a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Locus ID: 1482

MW: 45.6