

Product datasheet for **SC303658**

HMX2 (NM_005519) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HMX2 (NM_005519) Human Untagged Clone
Tag:	Tag Free
Symbol:	HMX2
Synonyms:	H6L; Nkx5-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005519 edited CACCCAGATCACCCAGATCGTCTCTAAAGGGAGTTCTTGGTTTCCTTCGATTTCTTATGA ACCCAGGATG GGCAGCAAAGAAGATGCGGGCAAGGGGTGTCCGGCGGCCGGTGGCGTC TCCAGTTCACCATCCAGTCCA TCCTGGGCGGGGCCCTCGGAGGCACCGCGGAGC CCGTCCGGTGGCCAGCCAGGAAGCGCAGCCTGTC CGTGTCTCGGAGGAGGAGGAGCC GGACGACGGCTGGAAGGCGCCCGCTGCTTCTGCCAGACCAGCAC GGCCTAAGGAG CAGGGCCCAAGCACCATCCCCCATCCCTTTTCTTGCCTGGGTACCCCAAGGGCA GCGGAGGCTCGGGCCGGGCGGCTTGGAGCGCACGCTTTCTCTCTCCTTCGACTCG ACTTTAAAGA AGAGAAAGAGAGGCTCCTGCCCGGGCTCGCCCTCGCCGGGTCCGA GCGGCCGCGGGACGGCGCGCT GAGCGGCAGGCCGGCGGCAAGAAGAAGACGCGC ACCGTCTTTTCGCGCAGCCAGGTGTACCAGCTCG AGTCCACCTTCGACATGAAGCGCT ACCTGAGCAGCTCGGAGCGGCCTGCCTGCCTCCAGCCTGCAGCT CACGGAGACCCA GGTAAAGACTTGGTTCCAGAACCGCCGAACAAGTGAAGCGGCAGCTCTCGGCTGAG CTGGAGGCGGCCAACATGGCGCACGCGTCCGGCGCAGACTTGGTGAAGATGCCGCTGGT TTCCGGGACA GTTCGCTGCTGCGCGTCCGGTCCCGCGCTCGCTCGCCTTTCCCGCGC CGCTCTACTACCCGGAAGCAA CCTCTCGCCTTACCTCTTACAACCTATAACA GCTCGACTACTGACCGGCCCGCCCGCCCGCGCG CCCCAGCTGCCCGCAGAGCCGGG CGCGTACTGTACTGTAAGCAGGGCTCCGGAGCAAGGCGGCGTGTTC CCAGAAATATGA AGAAATACACCATGTGTATTCATTAGCTTTATTTATGGTCTCTGCCCTACTTTTGT TTTGATTGTTTCGGTATTTATTGGCATTCCCTAAGTCAGAGAGCCTGCTTCTACTAG ACCGAACCAG TACGCTTTGAAAACCATTCCGAGTGAGATGTTCTCGGGTGGTGGG AAAGGGAGTT
Restriction Sites:	Please inquire
ACCN:	NM_005519



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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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_005519.1</u> , <u>NP_005510.1</u>
RefSeq Size:	1628 bp
RefSeq ORF:	822 bp
Locus ID:	3167
UniProt ID:	<u>A2RU54</u>
Cytogenetics:	10q26.13
Gene Summary:	The protein encoded by this gene is a member of the NKL homeobox family of transcription factors. Members in this family are of ancient origin and play an important role in organ development during embryogenesis. A related mouse protein plays a role in patterning of inner ear structures. In humans, variations in a region containing this gene have been associated with inner ear malformations, vestibular dysfunction, and hearing loss. [provided by RefSeq, Aug 2012]