

Product datasheet for **SC101118**

Mohawk homeobox (MKX) (NM_173576) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mohawk homeobox (MKX) (NM_173576) Human Untagged Clone
Tag:	Tag Free
Symbol:	Mohawk homeobox
Synonyms:	C10orf48; IFRX; IRXL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173576, the custom clone sequence may differ by one or more nucleotides

```
ATGAACCCATCGTCTTCAACAAGCTCAGCGGTGCGGTGCTGTTTGAGGACGGAGGCGCCTCGGAGCGGG
AGCGGGGTGGCCGGCCCTACAGCGGTGCTCTGGACAGTCCTCACGCCCGCCCGAGGTGGGCATTCCCGA
CGGCCCGCCCTCAAGGACAACCTCGGCCTGAGACACCGGAGGACCGGCGCCCGGAGGAGGAGGAGGAGG
GTGAGGCACAAGCGGCAGGCCCTGCAAGACATGGCGGACCCCTCAAGCAGTGGCTTTACAAGCACCGTG
ACAACCCGTACCCACCAAGACCGAGAAGATACTCTTGGCCCTCGGCTCGCAGATGACGCTAGTGCAGGT
GTCAAATTGGTTTGCTAATGCAAGACGTCGGCTTAAGAATACCGTTCGACAGCCAGATTTAAGCTGGCT
TTGAGAATAAAGTTATAACAAGTATGTTCAAGCAATGCTGAACGGCTTAGCGTAAGCAGTGATGACT
CATGTTCTGAAGATGGAGAAAATCCTCCAAGAACCACATGAACGAAGGGGGCTATAATACCCAGTTCA
CCATCCTGTGATTAAGTGAAGTGAAGTTCGGTTCATCAAAGCGGGAGTGAGGCCAGAGTCACGGGCCAGTGAG
GACTACGTGGCACCCCAAAATACAAGAGCAGCTTGTGAACCGTTACCTTAATGACTCTTTGAGACATG
TCATGGCCACGAACACTACCATGATGGGAAAAACAAGGCAAGAAACCCTCGGGATCTTTAGCTCCAA
TGAATTTGAGGAAGAATTAGTGTCTCCATCGTCATCAGAACTGAAGGCAACTTTGTCTATCGCACAGAC
ACTCTGAAAACGGATCCAATAAGGGTGAAGCGCAGCTAACAGAAAAGGACCAAGCAAGGATGACACGT
ATTGGAAGGAGATCAACGCAGCTATGGCCTTAACAAATCTTGACAGGAAAGGACAACTGCAGGGAAC
TACCAGTCATCATCCAGAAGTCGTCCCATATAGCAGAAGTAAAGACTGTCAAAGTGCCGCTGGTGCAG
CAGTTTTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173576 unedited NTTCTTACCCGCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA GCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCGGCCGC GAATTCGGCACCAGGGATGGGAGTGCGCCTAGTCTCGAGGCGGGAGAGCCAGCCGCCCTG CAGCCGGCCGTCGGCCCCGACGACAGAAAGCCGAGCCCCGCTGCGGAGCTCCCGGGCC CCAGCCCCGAGGCTCTGCGGCCGCGCGCGTCTCTACCAACCGACACCATGAACACCA TCGTCTTCAACAAGCTCAGCGGTGCGGTGCTGTTTGAGGACGGAGCGCCTCGGAGCGGG AGCGGGTGGCCGCCCTACAGCGGTGTCTGGACAGTCCTCACGCCGCCCGAGGTGG GCATTCGCGACGCGCCGCCCTCAAGGACAACCTCGGCCTGAGACACCGAGGACCGCGG CCCGGCAGAATGGCGGAAGGTGAGGCACAAGCGGCAGGCCCTGCAAGACATGGCGCGAC CCCTCAAGCAGTGGCTTTACAAGACCGTGACAACCCGTACCCACCAAGACCGAGAAGA TACTCTTGGGCCCTCGGCTCGCAGATGACGCTAGTGCAGGTGCAAAATGGTTTGCTAAT GCAAGACGTCNGCTTAAGAATACCCGTCGACAGCCAGTTTAAGCTGGGCTTTGAGAATA AAGTATCCACAAGTTGTTTCAGGGCATGCTTGACGGCTTACCCGTAGCAGGGATGACTA AGTTTTTGAAGATGGGAAAAATCTTCCAGAAACCCTGGACCAAAGGGGGCTTTAAACCC CCAAGTTACCATCCCTGGTATAAAAGGGGAAATTCGGGCCTCAAGCGGGGAAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_173576
Insert Size:	4000 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_173576.1 , NP_775847.1
RefSeq Size:	3619 bp
RefSeq ORF:	1059 bp
Locus ID:	283078
UniProt ID:	Q8IYA7
Cytogenetics:	10p12.1
Domains:	homeobox
Protein Families:	Transcription Factors

Gene Summary:

The protein encoded by this gene is an IRX family-related homeobox protein that may play a role in cell adhesion. Studies in mice suggest that this protein may be a regulator of tendon development. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Jun 2011]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.