

Product datasheet for **RC233671**

ZHX1-C8orf76 (NM_001204180) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZHX1-C8orf76 (NM_001204180) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZHX1-C8orf76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233671 representing NM_001204180 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAAGGAAGCTGTGGCAATGGTTTTATGAAGAAACAGAAAGCAGTGATGATGTTGAAGTGCTGACTC
TCAAGAAATTCAAAGGAGACCTGGCCTACAGACGACAAGAGTATCAGAAAGCACTGCAGGAGTATTCCAG
TATCTCTGAAAAATTGTCATCAACCAATTTGCCATGAAAAGGGATGCCAGGAAGGTCAAGGCTCGGTGT
CTGGCTCACCTGGGTAGGCATATGGAGGCGCTGGAGATTGCTGCAAACTTGAAAAATAAGCAACCAACA
CAGACCATTTAACCACGGTACTCTACCTCCAGCTTGCTATTTGTTCAAGTTGCAGAACTGGAGAAAAAC
AATTTTCTGCCTGCAGAACTGATTTCTTTGCATCCTTTAATCCTTGGAAGTGGGCAAAATGGCAGAG
GCTTACCTGAATCTGGGGCCAGCTCTTTCAGCAGCACTTGCCTCATCTCAGAAACAGCACAGTTTACCT
CAAGTGACAAAATATCAAATCCTTCTTCCACACTCAGGAAAAGACTGTCTTTGTGTTTCTGAAAC
CTTGCTGAGAGCTCTTTATTTCTGTGGAAGCGAATAGCAGTAATAGCCAGAAAAATGAGAAAGCTCTG
ACAAATATCCAAAATGTATGGCAGAAAAGAGAGAAACAGTGTTGATAGAGACTCAGCTGAAAGCATGTG
CCTCTTTTATACGAACCAGGCTTCTGCTTCAGTTTACCAACCTCAGCAACATCGTTTGCTTTGGAGAG
GAACTTAAGGACTCAGCAGGAAATTGAAGATAAAATGAAAGGTTTCAGCTTCAAAGAAGACACTTTGCTG
TTGATAGCTGAGGTGAGTGTATCCCTCGGGTTTATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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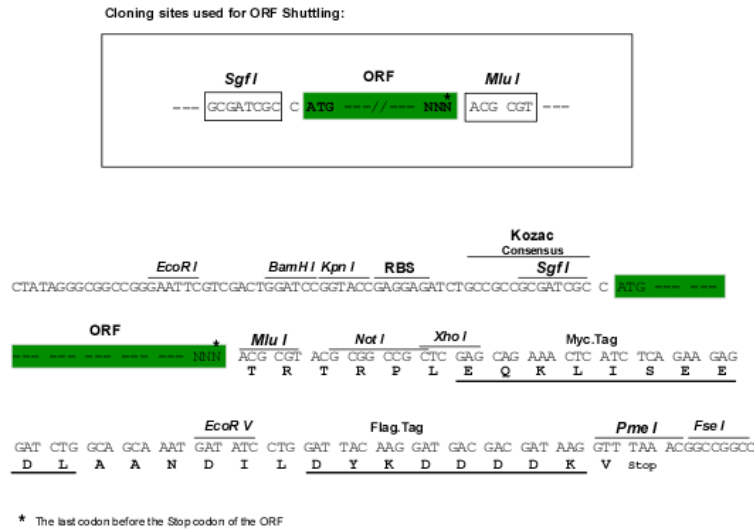
Protein Sequence: >RC233671 representing NM_001204180
 Red=Cloning site Green=Tags(s)

MLRKLWQWFYEETESSDDVEVLTLKKFKGDLAYRRQEYQKALQEYSSISEKLSSSTNFAMKRDVQEGQARC
 LAHLGRHMEALEIAANLENKATNTDHLTTVLYLQLAICSSLQNLKTIIFCLQKLISLHPFNPWNWGKLAE
 AYLNGLPALSAALASSQKQHSFTSSDKTIKSFFPHSGKDCLLCPETLPESLFSVEANSSNSQKNEKAL
 TNIQNCMAEKRETVLIETQLKACASFIRTRLLQFTQPQQTSAFLERNLRTQOEIEDKMKGFSFKEDTLL
 LIAEVSVSLGFM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001204180

ORF Size: 876 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001204180.2](#)

RefSeq Size: 1542 bp

RefSeq ORF: 879 bp

Locus ID: 100533106

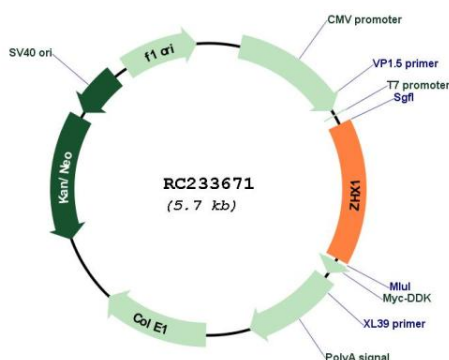
UniProt ID: [Q96EF9](#)

Cytogenetics: 8q24.13

MW: 33.7 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring zinc fingers and homeoboxes 1 (ZHX1) and chromosome 8 open reading frame 76 (C8orf76) genes. The read-through transcript encodes a protein that shares sequence identity with the downstream gene, but it has a distinct N-terminus encoded by exon structure from the upstream gene. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC233671