

Product datasheet for RC212033

CHX10 (VSX2) (NM_182894) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHX10 (VSX2) (NM_182894) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CHX10
Synonyms:	CHX10; HOX10; MCOP2; MCOPCB3; RET1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212033 representing NM_182894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGGGAAAGCAGGGGAAGCGCTGAGCAAGCCAAATCCGAGACAGTGGCCAAGAGTACCTCGGGG
GCGCCCCGGCCAGGTGCACTGGGTTCCGGCATCCAGGAGATCTGGGCTTGAACAAGGAGCCCCGAGCTC
CCACCCGCGGGCAGCGCTCGACGGCTGGCCCCGGGCACTTGTGGCGGCGGCTCAGTGTCTAGCCCC
GCGGGGTGGGCGCATGGGCTTCTGGGGCCCGGGGGCTCCCTGGCTTCTACACGCAGCCACCTTCC
TGAAGTGTGTCCGACCCGAGAGCGTCCACTTGCAGCCATTGGGCAGAGCATCGGGGCCGCTGGACAC
CAGCCAGACGGCCAGCTCGGATTCTGAAGATGTTTCTCCAGCGATCGAAAAATGTCCAAATCTGCTTTA
AACCAGACCAAGAAACGGAAGAAGCGGGACACAGGACAATCTTTACCTCTACCAGCTAGAGGAGCTGG
AGAAGGCATTCAACGAAGCCCACTACCCAGACGCTATGCCCCGGGAGATGCTGGCCATGAAAACGGAGCT
GCCGGAAGACAGGATACAGGTCTGGTCCAGAACCCTGAGCCAAGTGGAGGAAGCGGGAGAAGTGTGG
GGCCGGAGCAGTGTATGGCGGAGTATGGGCTCTACGGGGCCATGGTGGGCACTCCATCCCCCTGCCCC
AGTCCATCCTCAAGTCAGCAAGGATGGCATCATGGACTCCTGTGCCCGTGGCTACTGGGGATGCACAA
AAAGTCGCTGGAGGCAGCAGCCGAGTCCGGGAGGAAGCCCGAGGGGAACGCCAGGCCCTGCCAAGCTC
GACAAGATGGAGCAGGACGAGCGGGCCCCGACGCTCAGGCGGCCATCTCCAGGAGGAAGTGGGGAGA
ACAGCATTGCGGTGCTCCGGGCCAAAGCTCAGGAGCACAGCACCAAAAGTGTGGGGACTGTGTCTGGGCC
GGACAGCCTGGCCCGGAGTACCGAGAAGCCAGAGGAGGAGGAGGCCATGGATGAAGACAGGCCGGCGGAG
AGGCTCAGTCCACCGCAGCTGGAGGACATGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

RefSeq: [NM_182894.3](#)

RefSeq Size: 3005 bp

RefSeq ORF: 1086 bp

Locus ID: 338917

UniProt ID: [P58304](#)

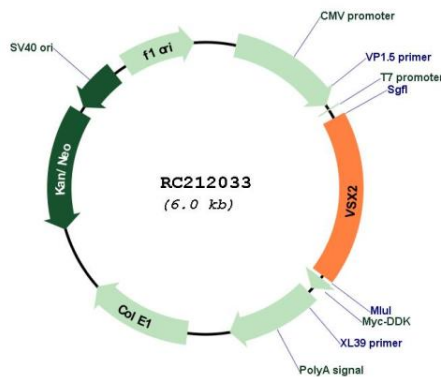
Cytogenetics: 14q24.3

Protein Families: Transcription Factors

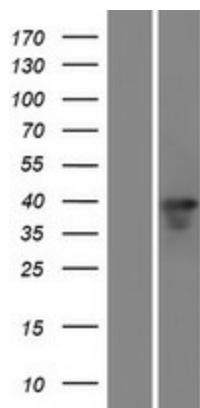
MW: 39.2 kDa

Gene Summary: This gene encodes a homeobox protein originally described as a retina-specific transcription factor. Mutations in this gene are associated with microphthalmia, cataracts and iris abnormalities. [provided by RefSeq, Oct 2009]

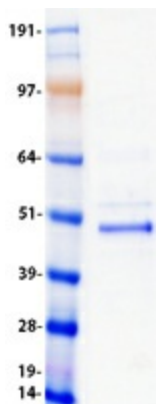
Product images:



Circular map for RC212033



Western blot validation of overexpression lysate (Cat# [LY405387]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212033 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VSX2 protein (Cat# [TP312033]). The protein was produced from HEK293T cells transfected with VSX2 cDNA clone (Cat# RC212033) using MegaTran 2.0 (Cat# [TT210002]).