

Product datasheet for **RC212735**

EVX2 (NM_001080458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EVX2 (NM_001080458) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EVX2
Synonyms:	EVX-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC212735 representing NM_001080458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGAAGAATAAGAAAAGAGATGATTCTGATGGAGAGAGGGCTGCACAGCCCTACGGCGGCAAGA
 GATTCTCCAATTTGTCCAACCTCGCTGGCAATGCTGTGCTCGAGGCCCTGAAAAATTCGACGACCCGGC
 TCGCCTAAGCCCAGCCTGCCGTCTGCCCCCTGCACAGCGCTCTGGGAGAACTCCCGCAAGGGCAAA
 TTCGAAATAGACACTTTGTTCAACCTGCAGCACACGGGCAGCGAAAGCACCGTCTCTCCGAAATCTCT
 CCGCCGCCGAGAGCCGAAGAAGCCGGCCATTATTCAGAGGGCGCCGCTGAGGCCGACATGAGCAGCGA
 CGTGGAGGTGGGCTGCTCCGCGCTTCGCTCCCCGGGGGCTCGGCGCCGCTCAGCTTAAGGAAAACAAT
 GGCAAAGGTACGCAGAGAGCGGCTCGGCTGCCGGCACCACGACGTCGGCGTCGGCTCAGGCTCGGAA
 GCCTGCATGGAGCAGCGGAGGAGCGGGGAGCGGGCGCTGGGTGGTCCGGCTCTGGCGGGATCA
 AGTGGCGGCTACCGTACGGCTTCACCCGCGAGCAGATCGCGCCCTGGAGAAGGAGTTCTACCGGGAG
 AACTATGTGTCGGGCCCGCCGGTGCAGCTGGCCGCGCACTCAACCTGCCCGAAACCACCATCAAGG
 TGTGGTCCAGAACCGGCGCATGAAGGACAAGCGGCAGCGCTGGCCATGTCTGGCCGACCCAGCCGA
 CCCAGCTTACACCTACATGATGACGCACGCGGCCGCCACCGGAAGCCTGCCCTACCCCTTCCACTCG
 CACGTGCCGCTGCACTACTACCCGACGTGGGCGTCACGGCGCGCGGGCCGGCTGCAGCCTCAGGCG
 CGGCGGCCGCGGCTTCGTCGCCCTTCGCTACTTCCATCCGGCCACTGGACACCTTCCGCGCCCTCTCGA
 CCCCTACTCTCGCCGGAGCTGCTGTGTAGCTTCCGCCACCCTGGTCTCTACCAGGCTCCCGCGGCCGC
 CGGGGGCTCAACAGCGCGGCTCTGCCGCGCAGCCGCGCAGCCGAGCGGCTCGGCACCTCTCGCGG
 CGCGGGCGCGCGGCCCGCCAGCGCGGCTCTGCACCTGCTCGTGCCTCAGTTGCCACGACGAGTCACT
 GGCGGGCGCAGCCGCGGAGCAGCTGCCGACCCCTGGTTCCCGGGTGGCGGTGGCGGGCGGTGGT
 GGTGGTGGCGGGCGGGGGGCGCGGGGCCGGGGAGGCTCGGACTTCGGCTGCAGCGCGGGCGCGC
 CGCGTCCGAGAGCGGCTTCTGCCCTACTCGCCCGGCTTGTAGTAAGACGGCCGTGAGCCCGCCGA
 CCAGAGGGACGAGGCTCCGCTCACCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212735 representing NM_001080458
 Red=Cloning site Green=Tags(s)

MMERIRKEMILMERGLHSPTAGKRFSNLSNSAGNAVLEALENSQHPARLSPRLPSAPLHSA LGELPAK GK
 FEIDTLFNLQHTGSESTVSSEISSAAESRKKPGHYSEAAAADMSDVEVGC SALRSPGGLGAAQLKENN
 GKGYAESGSAAGTTTASGSGLGSLHGGSGGSAALGGSGSGADQVRRYRTAF TREQIARLEKEFYRE
 NYVSRPRCELAAALNLPETT IKVWFQNRMRKDKRQRLAMSWPHPADPSFYTYMMTHAAAATGSLPYPFHS
 HVPLHYYPHVGVTAASAAAAASGAAAAASPFATSIRPLDTFRALSHPYSRPELLCSFRHPGLYQAPAAA
 AGLNSAASAAAAAASAAAAAGAPSGGSAPCSLSCHSSQSAAAAAALGSRGGGGGGG
 GGGGGGGGAGAGGSDFGCSAAAPRSESGFLPYSAAVLSKTAVSPDQRDEAPL TR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8022_h08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001080458

ORF Size: 1428 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.

RefSeq: [NM_001080458.1](#), [NP_001073927.1](#)

RefSeq Size: 1617 bp

RefSeq ORF: 1431 bp

Locus ID: 344191

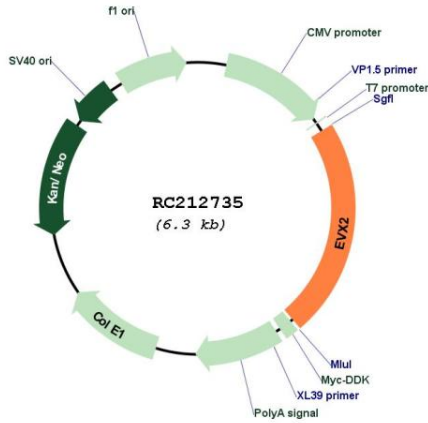
UniProt ID: [Q03828](#)

Cytogenetics: 2q31.1

MW: 47.6 kDa

Gene Summary: This gene is located at the 5' end of the HOXD gene cluster on chromosome 2. The encoded protein is a homeobox transcription factor that is related to the protein encoded by the *Drosophila* even-skipped (*eve*) gene, a member of the pair-rule class of segmentation genes. A 117 kb microdeletion at the 5' end of the HOXD gene cluster, which includes this gene and the HOXD9-HOXD13 genes, causes synpolydactyly, a dominantly inherited disease resulting in limb malformation. [provided by RefSeq, Sep 2009]

Product images:



Circular map for RC212735