

Product datasheet for **SC320170**

DLX5 (NM_005221) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DLX5 (NM_005221) Human Untagged Clone
Tag: Tag Free
Symbol: DLX5
Synonyms: SHFM1; SHFM1D
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005221.5
 CCGAGACAGAGACTTCACGACTCCCAGTCTCCTCCTCGCCGCGGCCGCCCTCCTCCT
 CTCTCCTCCTCCTTCTCCTCCTCCTCGCTCCCACAGCCATGTCTGCTTAGACCAGA
 GCAGCCCCACAGCCAAGTAGGGCAGCTGCCGCCACACAACAGCAAGGACAGCCGCTGCC
 GCCGCCGTGAGCGATGACAGGAGTGTGACAGAAAGGTCCCCAGCATCCGATCCGGCG
 ACTTCAAAGTCCGTTCCAGACGTCGCGAGCTATGCACCATCCGCTCAGGAATCGCAA
 CTTTGCCCGAGTCTCAGCTACCGATTCTGACTACTACAGCCCTACGGGGGAGCCCCGC
 ACGGCTACTGCTCCTACCTCGGCTTCTATGGCAAAGCTCTCAACCCCTACAGTATC
 AGTATCACGGCGTGAACGGCTCCGCCGGGAGCTACCCAGCCAAAGCTTATGCCGACTATA
 GCTACGCTAGCTCCTACCACAGTACGGCGGCGCTACAACCGCTCCCAAGCGCCACCA
 ACCAGCCAGAGAAAGAAGTGACCGAGCCCGAGGTGAGAATGGTGAATGGCAAACCAAGA
 AAGTTCGTAAACCCAGGACTATTTATTCCAGCTTTCAGCTGGCCGCATTACAGAGAAGGT
 TTCAGAAGACTCAGTACCTCGCCTTGCCGGAACGCGCCGAGCTGGCCGCCTCGCTGGGAT
 TGACACAAACACAGGTGAAAATCTGGTTTCAGAACAAAAGATCCAAGATCAAGAAGATCA
 TGAAAAACGGGGAGATGCCCCCGGAGCACAGTCCCAGCTCCAGCGACCCAATGGCGTGTA
 ACTCGCCGAGTCTCCAGCGGTGTGGGAGCCCCAGGGCTCGTCCCGCTCGCTCAGCCACC
 ACCCTCATGCCACCCTCCGACCTCCAACAGTCCCAGCGTCCAGCTACCTGGAGAAT
 CTGCATCCTGGTACACAAGTGCAGCCAGCTCAATCAATCCCACCTGCCGCCCGGGCT
 CTTTACAGCACCCGCTGGCGCTGGCCTCCGGGACACTCTATTAGATGGGCTGCTCTCT
 TACTCTTTTTTGGGACTACTGTGTTTTGCTGTTCTAGAAAATCATAAAGAAAGGAATT
 CATATGGGAAAGTTCGGAAAAGTGAAGAAAGATTATGTGTAAGCTTTTTTTTGCATGTA
 AGTTATTGCATTTCAAAGACCCCCCTTTTTTACAGAGGACTTTTTTGCGCAACTGT
 GGACACTTTCAATGGTGCCTTGAATCTATGACCTCAACTTTTCAAAGACTTTTTTCAA
 TGTTATTTTAGCCATGTAATAAGTGTAGATAGAGGAATAAACTGTATATTCTGGATAA
 ATAAAATTATTTGACCATGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



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| ACCN: | NM_005221 |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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_005221.5 , NP_005212.1 |
| RefSeq Size: | 1424 bp |
| RefSeq ORF: | 870 bp |
| Locus ID: | 1749 |
| UniProt ID: | P56178 |
| Cytogenetics: | 7q21.3 |
| Domains: | homeobox |
| Protein Families: | ES Cell Differentiation/IPS, Transcription Factors |
| Gene Summary: | This gene encodes a member of a homeobox transcription factor gene family similar to the Drosophila distal-less gene. The encoded protein may play a role in bone development and fracture healing. Mutation in this gene, which is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 7, may be associated with split-hand/split-foot malformation. [provided by RefSeq, Jul 2008] |