

## Product datasheet for SC323051

### DUX4L5 (NM\_001127389) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids

**Tag:** Tag Free

**Symbol:** DUX4L5

**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001127389, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGGGTGGAGCCTGCCTGCCTGTGGGCTTTACAAGGGCGGCTGGCTGGCTGGCTG
GCTGTCCGGGCAGGCCTCCTGGCTGCACCTGCCGACGTGCACAGTCCGGCTGAGGTGCAC
GGGAGCCCGCCGGCCTCTCTGCCCCGCGTCCGTCCGTGAAATCCGGCCGGGGCTCACC
GCGATGGCCCTCCCGACACCTCGGACAGCACCTCCCCGCGGAAGCCCGGGGACGAGGA
CGGCGACGGAGACTCGTTTGGACCCGAGCCTAAAGCGAGGCCCTGCGAGCCTGCTTTGAG
CGGAACCCGTACCCGGGCATCGCCACCAGAGAACGGCTGGCCAGGCCATCGGCATTCCG
GAGCCAGGGTCCAGATTTGGTTTCAGAAATGAGAGGTACGCCAGCTGAGGCAGCACCGG
CGGGAATCTCGGCCCTGGCCCGGGAGACGCGGCCCGCCAGAAGGCCGGCGAAAGCGGACC
GCCGTACCCGATCCAGACCGCCCTGCTCCTCCGAGCCTTTGAGAAGGATCGCTTTCCA
GGCATCGCCGCCCGGGAGGAGCTGGCCAGAGAGACGGGCTCCCGAGTCCAGGATTAG
ATCTGGTTTCAGAAATCGAAGGGCCAGGCACCCGGGACAGGGTGGCAGGGCGCCCGCAG
GCAGGCGGCCCTGTGCAGCGCGGCCCGCGGGGGTACCCCTGCTCCCTCGTGGGTGCC
TTCCGCCACACCGGCGCGTGGGGAACGGGGCTTCCCGACCCACGTGCCCTGCGCGCCT
GGGGCTCTCCACAGGGGGCTTTCGTGAGCCAGGCAGCGAGGGCCGCCCGCGCTGCAG
CCAGCCAGGCCCGCGCCGAGAGGGGTCTCCAACCTGCCCGCGCGCGGGATTTC
GCCTACGCCGCCCGGCTCCTCCGACGGGGCGCTCTCCACCCCTCAGGCTCCTCGGTGG
CCTCCGACCCCGGCAAAAGCCGGGAGGACCGGACCCGACGCGGACGGCCTGCCGGGC
CCCTGCGCGGTGGCACAGCCTGGGCCCGCTCAAGCGGGGCCGAGGGCCAAGGGTGCTT
GCGCCACCCACGTCCAGGGGAGTCCGTGGTGGGGTGGGGCCGGGTCCCCAGGTGCGC
GGGGCGGCGTGGGAACCCAAAGCCGGGGCAGCTCCACCTCCCGAGCCCGCGCCCGGAC
GCCTCCGCTCCGCGCGGAGGGGAGATGCAAGGCATCCCGCGCCCTCCAGGCGCTC
CAGGAGCCGGCGCCCTGGTCTGCACTCCCTGCGGCCTGCTGCTGATGAGCTCCTGGCG
AGCCCCGAGTTTCTGAGCAGGCGCAACCTCTCTAGAAACGAGGCCCGGGGAGCTG
GAGGCTCGGAAGAGGCCGCTCGTGGAAGCACCCCTCAGCGAGGAAGAATACCGGGCT
CTGCTGGAGGAGCTT
```

**Restriction Sites:** Please inquire

**ACCN:** NM\_001127389



<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001127389.1</u> , <u>NP_001120861.2</u>
<b>RefSeq Size:</b>	1611 bp
<b>RefSeq ORF:</b>	1458 bp
<b>Locus ID:</b>	653545
<b>Cytogenetics:</b>	4q35.2
<b>Gene Summary:</b>	<p>This gene is located within a D4Z4 repeat array in the subtelomeric region of chromosome 4q. The D4Z4 repeat is polymorphic in length and a similar D4Z4 repeat array has been identified on chromosome 10. Each D4Z4 repeat unit has an open reading frame (named DUX4) that encodes two homeoboxes; the repeat-array and ORF is conserved in other mammals. There is no evidence for transcription of the gene at this locus though RT-PCR and in vitro expression experiments indicate that a telomeric paralog of this gene is transcribed in some haplotypes. Contraction of the macrosatellite repeat causes autosomal dominant facioscapulohumeral muscular dystrophy (FSHD). [provided by RefSeq, Jun 2014]</p>