

Product datasheet for **SC303930**

DUX1 (NM_012146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUX1 (NM_012146) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_012146 edited CGGGGCTCCCTGAGATGGCCCTCCTGACAGCTTTGGACGACACCCTCCCCGAGGAAGCCC AGGGACCGGGAAGGCGAATGATACTCTTTCGACCCCGAGTCAAAGTGATGCCCTGCGAG CCTGCTTTGAGCGGAACCTGTACCCGGGCATTGCCACCAAAGAAGAGCTGGCCCAGGGCA TCGACATTCCGGAGCCCAGGGTCCAGATTTGGTTTCAGAATGAGAGATCATGCCAGTTGA GGCAGCACCGGCGGAATCTCGGCCCTGGCCCGGGAGACGTGACCCGCAAAAAGGCAGAC GAAAGCGGACTGCCATCACCGGATCCCAAACCGCCCTGCTCCTCCGAGCCTTTGAGAAGG ATCGCTTTCCAGGCATTGCTGCCAGGGAAGAGCTGGCCAGAGAGACGGGCCTCCCGGAGT CCAGGATTCAGATCTGGTTTCAGAATCGAAGAGCCAGGCACCGGGGACAGTCTGGCAGGG CGCCACGCAGGCAAGCATCCGGTGCAATGCAGCCCCAATTGGGTGACACCCTGCTC
Restriction Sites:	Please inquire
ACCN:	NM_012146
Insert Size:	500 bp
OTI Disclaimer:	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).
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).


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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_012146.1, NP_036278.1

RefSeq Size: 1227 bp

RefSeq ORF: 513 bp

Locus ID: 26584

UniProt ID: O43812

Gene Summary: The human genome contains hundreds of repeats of the 3.3-kb family in regions associated with heterochromatin. The DUX gene family, including DUX1, resides within these 3.3-kb repeated elements (Beckers et al., 2001 [PubMed 11245978]). See DUX4 (MIM 606009). [supplied by OMIM, Mar 2008]