

Product datasheet for **RG218348**

DUX5 (NM_012149) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DUX5
Synonyms:	DUX1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218348 representing NM_012149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGCTGAGGTGCACGGGAGCCCGCCGCCTCTCTGCCCCGTGTCAGTCCGTGAAATCCGGCCGG
GGCTCCCTGAGATGGCCCTCTGACAGCTTTGGACGACACCCTCCCGAGGAAGCCAGGGACCGGAAG
GCGAATGATACTCTTTGACCCCGAGTCAAAGTGATGCCCTGCGAGCCTGCTTTGAGCGGAACCTGTAC
CCGGGCATTGCCACCAAGAAGAGCTGGCCAGGGCATCGACATTCGGAGCCAGGGTCCAGATTGGT
TTCAGAAATGAGAGATCATGCCAGTTGAGGCAGCACCGGCGGCAATCTCGGCCCTGGCCCGGGAGACGTGA
CCCGCAAAAAGGCAGACGAAAGCGGACTGCCATCACCAGGATCCCAAACCGCCCTGCTCCTCCGAGCCTTT
GAGAAGGATCGCTTTCCAGGCATTGCTGCCAGGAAGAGCTGGCCAGAGAGACGGGCCTCCCGAGTCCA
GGATTCAGATCTGGTTTCAGAAATCGAAGAGCCAGGCACCGGGGACAGTCTGGCAGGGCGCCACGCAGGC
AAGCATCCGGTGCAATGCAGCCCCAATTGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218348 representing NM_012149
Red=Cloning site Green=Tags(s)

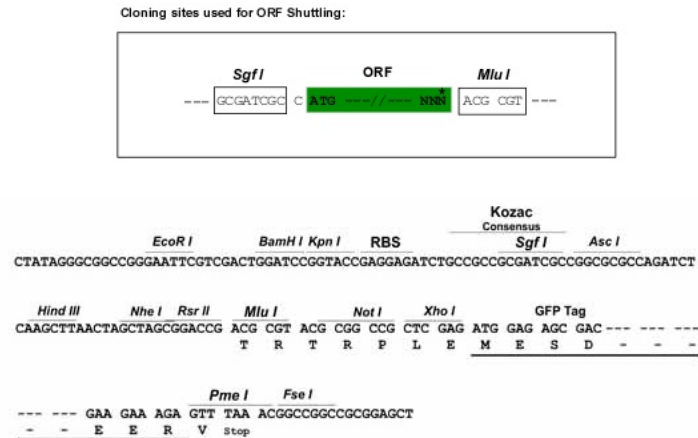
MPAEVHGSPASLPCQSVKFRPGLPEMALLTALDDTLPEEAQGPGRMILLSTPSQSDALRACFERNLY
PGIATKEELAQGIDIPEPRVQIWFQNERSCQLRQHRQSRPWPGRRDPOKGRRKRTAITGSQTALLLRAF
EKDRFPGIAAREELARETGLPESRIQIWFQNRARHRGQSGRAPTQASIRCNAAPIG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN:	NM_012149
ORF Size:	591 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_012149.2 , NP_036281.2
RefSeq Size:	594 bp

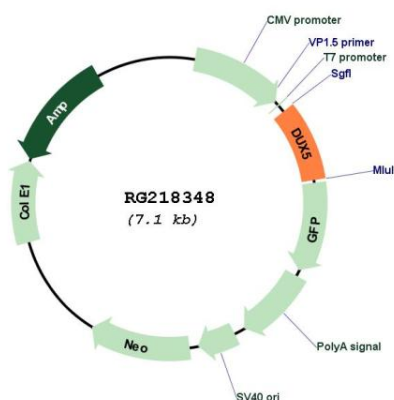
RefSeq ORF: 594 bp

Locus ID: 26581

UniProt ID: Q96PT3

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 DUX5, resides within these 3.3-kb repeated elements (Beckers et al., 2001 [PubMed 11245978]). See DUX4 (MIM 606009).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG218348