

Product datasheet for **RC225830L3V**

DUX4L7 (NM_001127387) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: DUX4L7

Mammalian Cell Selection: Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_001127387

ORF Size: 1455 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC225830).

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.

RefSeq: [NM_001127387.1](#), [NP_001120859.2](#)

RefSeq ORF: 1275 bp

Locus ID: 653543

Cytogenetics: 4q35.2

MW: 50.9 kDa



Gene Summary:

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]