

Product datasheet for **RC225977L4V**

Dystrotelin (DYTN) (NM_001093730) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Dystrotelin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001093730
ORF Size:	1734 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225977).
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_001093730.1 , NP_001087199.1
RefSeq ORF:	1737 bp
Locus ID:	391475
UniProt ID:	A2CJ06
Cytogenetics:	2q33.3
MW:	65.1 kDa



Gene Summary:

This gene belongs to the dystrophin superfamily, which is characterized by the presence of four EF-hand motifs and a ZZ-domain. It is a likely ortholog of the Drosophila 'discontinuous actin hexagon' gene. It is noteworthy that the coding region of this gene lacks two coding exons that are found in the mouse ortholog. Human transcripts including these two exons are subject to nonsense-mediated transcript decay (NMD). On the other hand, transcripts skipping the two coding exons are expressed at very low levels. While this gene maintains an intact CDS, it may be an evolving pseudogene. However, after a discussion about this gene within the RefSeq group, as well as in the consensus coding sequence (CCDS) collaboration, it was decided to keep it as a protein-coding gene in the RefSeq, Ensembl-GENCODE and the CCDS sets. [provided by RefSeq, Jul 2019]