

Product datasheet for **RG238078**

ANKRD2 (NM_001291219) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD2 (NM_001291219) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD2
Synonyms:	ARPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238078 representing NM_001291219. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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GAGCATAACGGGCTGGAGGGCCATGATAGTGGGCGAGAGACCCCTCAGCCTGTGCCAGCCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238078
 Blue=ORF Red=Cloning site Green=Tag(s)

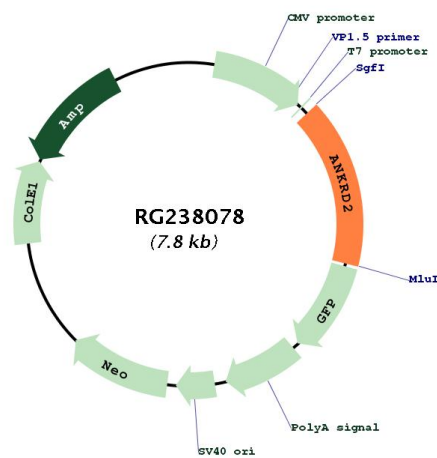
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 EENEKLRGDARQKLPMDLLVLEDEKHHGAQSAALQKVKGQERVRKTS LDLRREI IDVGGIQNLIELRKK
 RKQKRDALAAASHEPPPEPEEITGPVDEETF LKAAVEGKMKVIEKFLADGGSADTCDQFRRTALHRASL
 EGHMEILEKLLDNGATVDFQDRLDCTAMHWACRGGHLEVVKLLQSHGADTNVRDKEGDTALHDAVRLNR
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001291219
ORF Size:	1239 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).
RefSeq:	NM_001291219.1 , NP_001278148.1
RefSeq Size:	1421 bp
RefSeq ORF:	903 bp
Locus ID:	26287
UniProt ID:	Q9GZV1
Cytogenetics:	10q24.2
MW:	45.7 kDa
Gene Summary:	This gene encodes a protein that belongs to the muscle ankyrin repeat protein (MARP) family. A similar gene in rodents is a component of a muscle stress response pathway and plays a role in the stretch-response associated with slow muscle function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]