

Product datasheet for **RG238282**

ANKRD2 (NM_001291218) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD2 (NM_001291218) 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:	>RG238282 representing NM_001291218. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCAGCCAGCAGTTCCCTTTTGCAACTCAGTTGCCTTGGCTAAGGCCCAACCAGTCCCAAGTGCTCAG
GACAGAGGCTGGACGGGCTCCTTCTGCACCCCTGCTCTTGGGACACAGTGCCCTCCGGCTCTAATAGG
CCAGGAGTTGGGGGGCAACTGGCTCTGCTCCCTGGCCCTGGCTCCCCCTGCTCCCTGGGGCTGCCCGA
GGTGAAGGTGACAGGTGGGGGAGGCAGGTGGAGAATTGGCCAGTGAGCTCATGGCAAAGGCCCCAGC
TGGGCAGGGGTGGTCTCTGGCCTATAAAGCCCCGAGGCCCTGTGGCCTGCAGAGCGGTTATGGAC
GGCACCATGGAGGACTCCGAGGCGGTGCAGAGGGCCACAGCGCTCATCGAGCAGCGGCTGGCACAGGAG
GAGGAGAATGAGAACTCCGAGGAGACGCACGCCAGAAGCTGCCCATGGACTTGCTGGTCTGGAGGAT
GAGAAGCACCCACGGGGCTCAGAGTGCAGCCCTGCAGAAGGTGAAGGGCCAAGAGCGCGTGCGAAGACG
TCCTTGGACTGCGGCGGGAGATCATCGATGTGGGCGGGATCCAGAACCTCATCGAGCTGCGGAAGAAA
CGCAAGCAGAAGAAGCGGGACGCTCTGGCCGCCTCGCATGAGCCGCCCCAGAGCCCGAGGAGATCACT
GGCCCTGTGGATGAGGAGACCTTCTGAAAGCTGCGGTGGAGGGGAAAATGAAGGTCATTGAGAAGTTC
CTGGCTGACGGGGGTGACCCGACAGTGCACCGACTTCCGTCCGACAGCACTGCACCGAGCTTCCCTG
GAAGGCCACATGGAATCCTGGAGAAGCTTCTAGATAATGGGGCCACTGTGGACTTCCAGGATCGGCTG
GACTGCACAGCCATGCATTGGGCTGCCGCGGGGCCACTTAGAGGTGGTGAAGTCTGCAAAGCCAT
GGAGCAGACACCAATGTGAGGGATAAGCTGCTGAGCACCCCGCTGCACGTGGCAGTCCGGACAGGGCAG
GTGGAGATTGTGGAGCACTTTCTATCCCTGGGCTGGAATCAATGCCAGAGACAGGGAAGGGGATACT
GCCCTGCATGACGCTGTGAGGCTCAACCCTACAAAATCATCAAAGTGTCTGCTGATGGGGCTGAC
ATGATGACCAAGAACCCTGGCAGGAAAGACCCCGACGGACCTGGTGCAGCTCTGGCAGGCTGATACCCGG
CACGCCCTGGAGCATCCTGAGCCGGGGCTGAGCATAACGGGCTGGAGGGGCTAATGATAGTGGGCGA
GAGACCCCTCAGCCTGTGCCAGCCAG
ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238282
 Blue=ORF Red=Cloning site Green=Tag(s)

MQPAVFFCNSVALAKAQVPVSAQDRGWTGSFLHPCSWDTPVSGSNRPGVGGATGSAPWPWLPPLPGAAR
 GEGDRWGRQVENWASELMAKAPSWAGV GALAYKAPEALWPAEAVMDGTMEDSEAVQRATALIEQRLAQE
 EENEKLRGDARQKLPMDLLVLEDEKHHGAQSAALQVKVGQERVRKTSLDLRREIIDVGGIQNLIELRKK
 RKQKRDALAASHEPPPEEIEITGPVDEETFLLKAAVEGKMKVIEKFLADGGSADTCDFRRTALHRASL
 EGHMEILEKLLDNGATVDFQDRLDCTAMHWACRGGHLEVVKLLQSHGADTNVRDKLLSTPLHVAVRTGQ
 VEIVEHFLSLGLEINARDREGDTALHDAVRLNRYKIIKLLLLHGADMMTKNLAGKTPTDLVQLWQADTR
 HALEHPEPGAENGLGPNDSGRETPQVPVAQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291218

ORF Size: 1338 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).

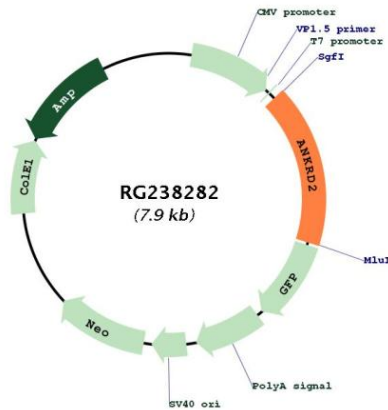
RefSeq: [NM_001291218.1](#), [NP_001278147.1](#)

RefSeq Size: 1520 bp
 RefSeq ORF: 1341 bp

 Locus ID: 26287
 UniProt ID: [Q9GZV1](#)
 Cytogenetics: 10q24.2
 MW: 49.4 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]

Product images:



Circular map for RG238282