

Product datasheet for **RG219560**

XIRP2 (NM_001079810) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XIRP2 (NM_001079810) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	XIRP2
Synonyms:	CMYA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219560 representing NM_001079810
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCCCAATGCAGAAGGGCTCCCTCAACCTCCTGAGGCAGAAATGGGAATCTTGTGATTATCAGAGAA
 GTGAGTGTTCATCCAGGGACAGCCATTGTACAATTTCCAGCCTCAGGAAAGCAAATGCTTGCCCTGA
 AGGAGAGGTAGTATCAGCACCTCAATCTTTGGATCCCACAAGTCTGCCCTACAGTACAGGGGAAGAGATG
 TGGAGTTCGAAGCCGGAAGAGAAGGATTCTGTGGACAAGAGTAACAACACCAGGGAATATGGTCGGCCAG
 AAGTGCTGAAGGAGGATTCCTGAGCAGTCGGCGCAGGATTGAACGCTTTTCCATTGCCCTTGATGAGCT
 GAGGAGTGTGTTGAGGCTCCTAAGAGTGGAAACAACCAGCTGAGTACGGTGGAAAGGAAGTGGAAATT
 GAGCGAAGTTTGTCTCGCCAGCTTTAAGAGTCAACCCTGGGAGCCAGCTGGAGGATTCTGTGAAAGATT
 CAGACAAGAAAGCAAGGAAACATCTTTTGACAAGATGCACCTGAAAGTGGTACAGCCGCATCTTTGA
 AGCGACTGCTGGCCCTAATAAGCCTGAGAGTGGATTTGCAGAAGACAGTGTCTCGGGGCGAGGGTGTG
 TCAGACCTCCACGAAGTGGTCTCCCTGAAGGAGCGGATGGCGAGGTACCGAGCAGCTGTTCCAGGGGTG
 ACTGCCGAGCTTCTCTGCTAATATGATGGAAGAATCAGAAATGTGCGCAGTGCCTGGTGGTTTGGCCAA
 GGTGAAGAAACAATTTGAGGACGAAATTAATCTTCCCCTAATACCTTTGCTCAATACCAATATCAACAT
 CAGAACAGATCTGAGCAGGAGGCAATTCATAGCAGCCAGGTTGGCACTTCAAGAAGCAGCCAGGAAATGG
 CAAGAAATGAACAAGAAGGGTCCAAAGTACAGAAAATTGATGTTTCATGGAACAGAAATGGTCTCTCATCT
 TGAAGAACACACCGAGGAAGTAAACCAAGCATCTCAGTTTCATCAATATGTTCAAGAACTGTCATTGAT
 ACACCTGAGGATGAAGAGATTCCAAGGTTTCGACTAAGTTGTTAAAAGAGCAGTTTGAAGAGTGTGCC
 AGGAAAAGATCCTTTATTCTGACAAAGAGATGACAACCCAGCCAAAGCAGATTAAGAAGTGTCTGCCA
 AGACAAGGAAATATGTATACTTTGTCAAAGACAGTTTATCCAATGGAGTGCCTAGTGGCAGACAAGCAG
 AATTTTCATAAGTCTGCTTCCGATGCCACCATTGCAACAGTAAACTAAGTTTGGGAAATATGCATCAC
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 AATGAAGAACCAATATGTGTAATAATTTGCAGAAAACACCCTGTACCTGGAGATCGTAAATGAACATT
 TAGATGCTGGTAAACAGTGAAGGGCAAAGGAATGATTTGAGAAAATTAGGGGAAAGGGGAAAATAAAAGT
 CATTGGCCCTCCTCCAAGGAGATCCCTAAGAAAACCTTACCCTTTGAGGAAGAGCTCAAAATGAGTAAA
 CCTAAGTGGCCACCTGAAATGACAACCCTGCTATCCCCTGAATTTAAAAGTGAATCTCTGCTAGAAGATG
 TTAGAACTCCAGAAAATAAAGGACAAAGACAAGATCACTTTCCATTTTTCAGCCTTATCTACAGTCCAC
 CCATGTTTGTGAGAAAGAGGATGTTATAGGAATCAAAGAAATGAAAATGCCTGAAGGAAGAAAAGATGAA
 AAGAAGGAAGGAAGGAAGAAATGTGCAAGATAGGCCGAGTGAAGCTGAAGACACAAGAGTAAACAGGAAAA
 GTGCTATGGATCTTAATGACAACAATAATGTGATTGTGCAGAGTGTGAAAAGGAGAAAAATGAAAAAAC
 TAACCAAACTAATGGTGCAGAAGTTTTACAGGTTACTAACACTGATGATGAGATGATGCCAGAAAATCAT
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 AGACATCTATTTAGAAATTTCTGATCTATTACCCTTGTGAGTGAAGCAAAATGACACTGCAAAATGAATA
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 AGCCTGTCTCAAAAACCAAGCCTCAGCAGAGGCCTTATGGTAAAGGGGGGAAAGTTCAATCATCTCTCTGA
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 GTGAAAATCACTGCATTTTCCAAGAAAATGAGAACATTTTCAATTGTGATTTAATAGATTCTGTAGATC
 AAATTAATAATATGCCATGCTTGGATTTAAGGGAATTTGGAAAGGATGTTAAACCTTGGCATGTTGAAAC
 AACAGAAGCTGCCGCAATAATGAAAACACAGGTTTTGATGCTCTGAGCCATGAATGTACAGCTAAGCCT
 TTGTTTCCAGAGTGGAGGTGCAGTCAGAACAACTCACGGTGAAGAGCAGATTAAGAAGAAACAGGTGCT
 ACAGTGACACTGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG219560 representing NM_001079810
Red=Cloning site Green=Tags(s)

MFFPMQKGSLLNLRQKWESCDYQRSECHPRDSHCTIFQPQESKLLAPEGEVVSAPQSLDPTSLPYSTGEEM
WSSKPEEKDSVDKSNNTREYGRPEVLKEDSLSSRRRIERFSIALDELRSVFEAPKSGNKPAEYGGKEVEI
ERSLCSPAFKSHPGSQLSDSVKDSKKGKETSFDMKSPESGHSRIFEATAGPNKPESGFAEDSAARGEGV
SDLHEVSVLKERMARYQAAVSRGDCRSFSANMEESEMCAVPGGLAKVKKQFEDEITSSRNTFAQYQYQH
QNRSEQEAIHSSQVGTSSSQEMARNEQEGSKVQKIDVHGTEMVSHLEKHTTEEVNQASQFHQYVQETVID
TPDEEIPKVSTKLLKEQFEKSAQEKILYSDKEMTTPAKQIKKLLLQDKEICILCQKTVYPMECLVADKQ
NFHKSCFRCHHCNSKLSLGNYSALHGQIYCKPHFKQLFKSKGNYDEGFGHKQHKDRWNCKNQSRSDVIP
NEEPMCKNIAENTLVPGDRNEHL DAGNSEGQRNDLRKLGERGKLVIPWPPSKEIPKKTLPFEEELKMSK
PKWPPMTLLSPEFKSESLLEDVRTPENKQQRQDHPFLQPYLQSTHVCQKEDVIGIKEMKMPGRKDE
KKEGRKNVQDRPSEAEDTKSNRKSAMDLDNNDNNVIVQSAEKEKNEKTNQNGAEVLQVTNTDDEMPENH
KENLNKNNNNNYVAVSYLNNCRQKTSILEFLDLLPLSSEANDTANEYEIEKLENTSRISSELLGIFESEKT
YSRNVLAMALKKQTDRAAAGSPVQAPKPSLSRGLMVKGGSSII SPDTNLLNIKGSKSKNLHFFF SNT
VKITAFSKKNENIFNCDLIDSVDQIKNMPCLDLREFGKDVKPHVETTEARNNENTGFDALSHECTAKP
LFRVEVQSEQLTVEEQIKRNRCSYSDTE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

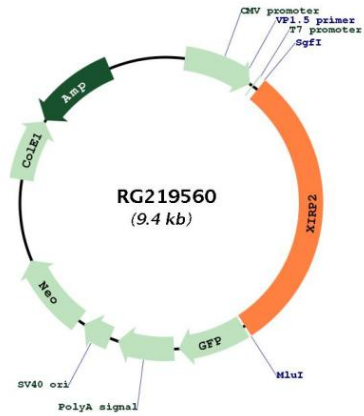


ACCN: NM_001079810

ORF Size: 2814 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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.
RefSeq:	<u>NM_001079810.3, NP_001073278.1</u>
RefSeq Size:	3302 bp
RefSeq ORF:	2817 bp
Locus ID:	129446
UniProt ID:	<u>A4UGR9</u>
Cytogenetics:	2q24.3
Gene Summary:	Protects actin filaments from depolymerization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219560