

Product datasheet for **RG229402**

Meckelin (TMEM67) (NM_153704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meckelin (TMEM67) (NM_153704) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Meckelin
Synonyms:	JBTS6; MECKELIN; MKS3; NPHP11; TNEM67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229402 representing NM_153704
 Red=Cloning site Blue=ORF Green=Tags(s)

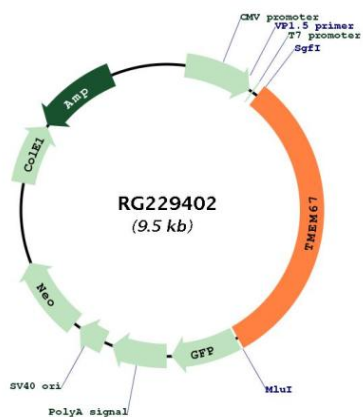
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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 CGTTCCTTCTGTTGTTCCCTCCCTCGCTTCTTACAGGCCAGACCTTCTCTTTCCCTTCCAGCAGCCGGA
 GAAGTGGCACAACAACCACTACTTTGATATCTCCGCCCTCTCGTGTTCCTTGTGGAGCTAACAGAGG
 CAAGATGCCCGAGGAACCTCATGTGTATGTCTACCAGGATTTAGATGATCTCTAATAATGGAGGACCTG
 CTATTATTTGAAAAAGTCCCAGAAAACATGAAAGGTGTACAGAAGATGGCTGGAACCTGCATTTCTTG
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 GAAATGAAGTACTCTTCTTATTTTGTCTGCTGTTCTTCTGTGTTGTGGATTTGGCTTGCCAAAATTT
 TATTTTAGCATCCTTCTTACATATCTACAACAAGAGATTTTATAGATATATCCGTAATACAGTAGGACAA
 AAGAATTTGGCATCCAAAACATTTGGTGGATCAAAGATTTTGGATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

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:	NM_153704.6
RefSeq Size:	4744 bp
RefSeq ORF:	2988 bp
Locus ID:	91147
UniProt ID:	Q5HYA8
Cytogenetics:	8q22.1
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene localizes to the primary cilium and to the plasma membrane. The gene functions in centriole migration to the apical membrane and formation of the primary cilium. Multiple transcript variants encoding different isoforms have been found for this gene. Defects in this gene are a cause of Meckel syndrome type 3 (MKS3) and Joubert syndrome type 6 (JBTS6). [provided by RefSeq, Nov 2008]

Product images:



Circular map for RG229402