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Product datasheet for MC224118

Rpgrip1l (NM_173431) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpgrip1l (NM_173431) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rpgrip1l
Synonyms:	1700047E16Rik; 4931437C01; Ftm; Nphp8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-MluI
ACCN:	NM_173431
Insert Size:	3795 bp
OTI Disclaimer:	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. 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
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).

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Reconstitution Method:	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_173431.2, NP_775607.2
RefSeq Size:	6969 bp
RefSeq ORF:	3795 bp
Locus ID:	244585
UniProt ID:	Q8CG73
Cytogenetics:	8 44.29 cM
Gene Summary:	Negatively regulates signaling through the G-protein coupled thromboxane A2 receptor (TBXA2R) (By similarity). May be involved in mechanisms like programmed cell death, craniofacial development, patterning of the limbs, and formation of the left-right axis. Involved in the organization of apical junctions; the function is proposed to implicate a NPHP1-4-8 module. Does not seem to be strictly required for ciliogenesis (By similarity). Involved in establishment of planar cell polarity such as in cochlear sensory epithelium and is proposed to implicate stabilization of disheveled proteins (PubMed:22927466). Involved in regulation of proteasomal activity at the primary cilium probably implicating association with PSDM2 (PubMed:26150391).[UniProtKB/Swiss-Prot Function]

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