

Product datasheet for MG220929

Bin1 (NM_009668) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Bin1 (NM_009668) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Bin1

Synonyms: ALP-1; Amphl; BRAMP-2; SH3P9

Mammalian Cell Neomycin

Selection:

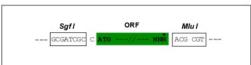
Vector: pCMV6-AC-GFP (PS100010)

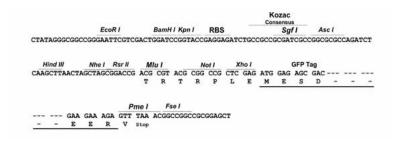
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_009668

ORF Size: 1764 bp



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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).

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: <u>NM 009668.2</u>, <u>NP 033798.1</u>

 RefSeq Size:
 2468 bp

 RefSeq ORF:
 1767 bp

 Locus ID:
 30948

 UniProt ID:
 008539

Cytogenetics: 18 18.01 cM

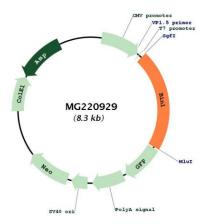
Gene Summary: Is a key player in the control of plasma membrane curvature, and membrane shaping and

remodeling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling (PubMed:12183633). Is a negative regulator of endocytosis (By similarity). Is also involved in the regulation of intracellular vesicles sorting, modulation of BACE1 trafficking and the control of amyloid-beta production (PubMed:12668730, PubMed:27179792). In neuronal circuits, endocytosis regulation may influence the internalization of PHF-tau aggregates (By similarity). May be involved in the regulation of MYC activity and the control cell proliferation (By similarity).[UniProtKB/Swiss-

Prot Function]



Product images:



Circular map for MG220929