

Product datasheet for RG219249

SAP102 (DLG3) (NM_020730) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SAP102 (DLG3) (NM_020730) Human Tagged ORF Clone

Tag: TurboGFP Symbol: SAP102

Synonyms: MRX; MRX90; NEDLG; PPP1R82; SAP102; XLMR

Mammalian Cell Neomycin

Selection:

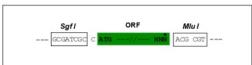
Vector: pCMV6-AC-GFP (PS100010)

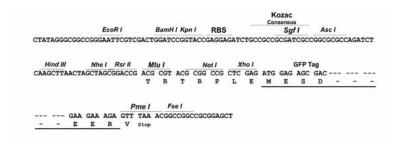
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_020730

ORF Size: 1536 bp



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SAP102 (DLG3) (NM_020730) Human Tagged ORF Clone - RG219249

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 020730.3</u>

RefSeq Size: 5068 bp **RefSeq ORF:** 1539 bp

Locus ID: 1741

UniProt ID: Q92796

Cytogenetics: Xq13.1

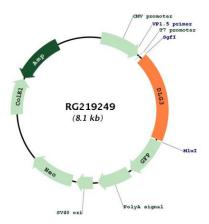
Gene Summary: This gene encodes a member of the membrane-associated guanylate kinase protein family.

The encoded protein may play a role in clustering of NMDA receptors at excitatory synapses. It may also negatively regulate cell proliferation through interaction with the C-terminal region of the adenomatosis polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked cognitive disability. Alternatively spliced transcript variants have

been described. [provided by RefSeq, Oct 2009]



Product images:



Circular map for RG219249