

Product datasheet for RC226355L4

OriGene Technologies, Inc.

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PLEKHG4 (NM_001129729) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PLEKHG4 (NM_001129729) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: PLEKHG4

Synonyms: ARHGEF44; PRTPHN1; SCA4

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clor

Sequence:

The ORF insert of this clone is exactly the same as(RC226355).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001129729

ORF Size: 3573 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 001129729.1</u>

RefSeq Size: 4493 bp
RefSeq ORF: 3576 bp
Locus ID: 25894
UniProt ID: Q58EX7
Cytogenetics: 16q22.1

MW: 130.8 kDa

Gene Summary: The protein encoded by this gene can function as a guanine nucleotide exchange factor (GEF)

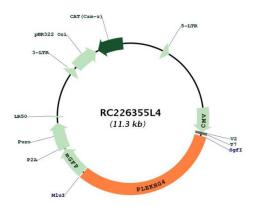
and may play a role in intracellular signaling and cytoskeleton dynamics at the Golgi

apparatus. Polymorphisms in the region of this gene have been found to be associated with spinocerebellar ataxia in some study populations. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Jan 2015]



Product images:



Circular map for RC226355L4