

Product datasheet for RC209583

PLEKHG4 (NM_015432) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PLEKHG4 (NM_015432) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PLEKHG4 |
| Synonyms: | ARHGEF44; PRTPHN1; SCA4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC209583 representing NM_015432 Red=Cloning site Blue=ORF Green=Tags(s) |

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GCC**CGATCGCC**

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GCCCAAGGCTCTTTTCAGGAGCTGTACCAGGTTGCCCAGGAGCAGGTGAGCAAGGGGAGAAGTTTCTGC
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Protein Sequence: >RC209583 representing NM_015432
 Red=Cloning site Green=Tags(s)

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AQGSFQEL YQVAQE QVRQGEKFLQPLTGWEAAELDPPGARFLALRAQLTEFSRALAQRCQLADAERLFQ
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FRDIAPSEEAINDRTVNYVLKCREVRSRASIAPFDHDSL YLGASNLP GDPASC SVLGS LNLHL YRDP
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V
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TRTRPLEQKLISEEDLAANDILDYKDDDDK

Chromatograms: https://cdn.origene.com/chromatograms/mk8103_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

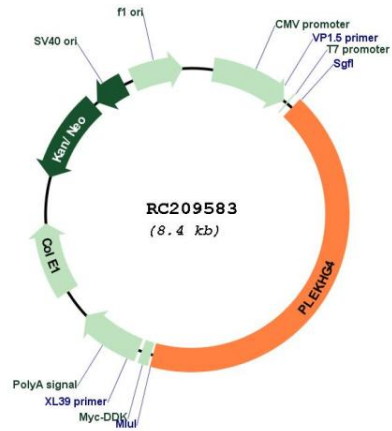


ACCN: NM_015432

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: | <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_015432.3 , NP_056247.1 |
| RefSeq Size: | 6818 bp |
| RefSeq ORF: | 3576 bp |
| Locus ID: | 25894 |
| 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 RC209583