

Product datasheet for RC226354

PLEKHG4 (NM_001129728) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHG4 (NM_001129728) 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:	>RC226354 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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TCCTCCAAGACCACCAGCCGGGGCCACCCAGGATGAGGAGCTACAGGGCAGCCCCCTGTCCAGGAAATTC
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GCCCAAGGCTCTTTTCAGGAGCTGTACCAGGTTGCCCAGGAGCAGGTGAGCAAGGGGAGAAGTTTCTGC
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Protein Sequence: >RC226354 protein sequence
 Red=Cloning site Green=Tags(s)

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V
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:

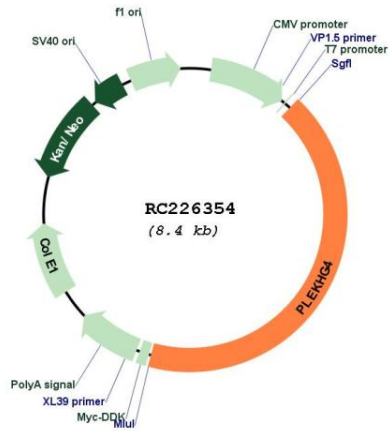


ACCN: NM_001129728

ORF Size: 3573 bp

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_001129728.1 , NP_001123200.1
RefSeq Size:	4582 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 RC226354