

Product datasheet for RC224716

PLEKHG3 (NM_015549) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHG3 (NM_015549) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLEKHG3
Synonyms:	ARHGEF43; KIAA0599
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224716 representing NM_015549 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGTGTCCACCTCCCTCCACCAGGATGGCAGCCAGGAGCGGCCGGTGAGCCTGACCTCTACCACCT
CCTCGTCGGGCTCCTCCTGTGACAGTCGCAGTGCCATGGAGGAGCCAGCAGCTCCGAGGCTCCCGCCAA
GAATGGGGCAGGCTCCCTGAGAAGCCGGCATCTGCCAACAGCAACAACACTCCAGCAGCTGGTTGAAC
GTGAAGGGGCCCTCTCCCGTTCAACAGCCGGGCAGCGGCAGGGCTGCACACCACAAGCTCAGCTACC
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GCCCACCAGGGCCTTCTGGGGATGGACCCCCAGGTGACATGGTGGACTTCGTGGCAGCTGAGAGCACTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224716 representing NM_015549
Red=Cloning site Green=Tags(s)

MPVSTSLHQDGSQERPVSLSLTTSSSSGSSCDRSRAMEEPSSEAPAKNGAGSLRSRHLPSNNSSSWLN
 VKGPLSPFNRAAAGPAHHKLSYLGRVVREIVETERMYVQDLRSIVESQEFDIYTQYCNYPNSVAALTE
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 WYINDMKRRHEHAVRLQEIQSLINWKGPDLT TYGELVLEGTFRVHRVRNERTFFLFDKTLITKKRGDH
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 RGGGEAAQSPGPLPQSKPDGGETLYVTADLTLEDNRRVI VMEKGPLSPPTAGLEESSGQGPSSPVALLGQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8045_e01.zip

Restriction Sites: SgfI-MluI

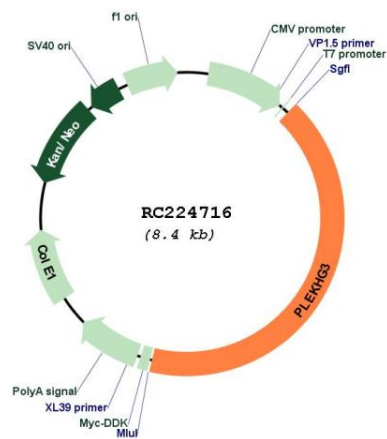
Cloning Scheme:



ACCN: NM_015549

ORF Size: 3489 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:	<u>NM_015549.1, NP_056364.1</u>
RefSeq Size:	4418 bp
RefSeq ORF:	3492 bp
Locus ID:	26030
Cytogenetics:	14q23.3
MW:	128.1 kDa

Product images:


Circular map for RC224716