

Product datasheet for **SC323264**

PLEKHG4 (NM_001129728) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PLEKHG4
Synonyms:	ARHGEF44; PRTPHN1; SCA4
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_001129728, the custom clone sequence may differ by one or more nucleotides

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ATGGAAAGGCCCTGGAGAATGGGGATGAGTCCCCAGACTCTCAGGGCCATGCCACCGAC
TGGAGATTTGCTGTGTGCAGTTTCAGGGATGCCTGGGAAGAGGAGGAACCTGCTTCCAG
ATGCACGTTAAGGACCCAGGTCTCCAAGACCACCAGCCGGGGCCACCCAGGATGAGGAG
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GACACCCAGGGGTAGGGTTGGTAGGGGACCCAGGTCCAAGCAGGGCGATGCCATCTGGC
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CTGGCCCAAGACCTCTGTTGGGAGCTGCTGGCCAGTGGTATGGCCACCTTGCCAGGGACT
CGGGATGTCCAAGGCCGGGCAGTGTCTGTGTGCCCCACAGCCAGCCTGGCTTCAG
TCTGAGTGCAGCAGCCAGGAATCATCCGCTCCTGCTGTACCTGCGAAGCATCCCCAGG
CCCGAAGTACAGGCACTGGGACTGACAGTGTAGTTGATGCCCGAATTTGTGCTCCAAGT
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GTGCTGCTAGTGGGAAGCAGCTGCTGAAGGAAGTGCCTTCCGGGCTGCAGCTGGAGCAG
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TTGCCTCCTGCCCACTTCCGAAAGATGTGGGCTCTGGCCACGGGGCTGGGCTCAGAGGCC

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ATCCGCCAGGAGTGCCGCTGGGCGCTGGGCGCGGTGCCAGGACACCTGGCTGGCCCTGGAC
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AGCCAGGTCCCCGCTGCACCTGCCACCCCTCCCCTGAGGAAGGCCTACAGCTTCGATCGG
AATCTGGGGCAGAGTCTCAGTGAACCTGCCTGCCACTGCCACCATCGGGCCACTATTGCT
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CCACCAGGCAGCTCTGACCCAGGAGCCTCAACAGGCTACAGCTGGTGCTGGCAGAGATG
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CTCAAGGAACAGGGGCAGCTGGTGCGACAGGATGAGTTTGTGGTGCCTGCGCAGCTGGGCGCCAC
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GGGCCCCACAGGGGTTGACACATTTGCCTACAAGCGCTCCTTCAAGTGGCAGACCTTGGT
CTCACTGAGTGCTGTGGGAACAGCAACCTGCGCTTCGAGATCTGGTTCGCCGCCGCAAG
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ATTGCCGTAGCCCCGTTTGACCATGACAGCCTTACCTGGGGGCCTCGAACTCCCTTCT
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GCTCTTCTGGGTCTCCGCTGTCCCCTGTATCCCAGCTTCCCAGAGGAAGCAGCACTGGAG
GCTGAGGCAGAGCTGGGGGCCAGCCCTCTTGACTGCTGAGGACTCAGAGATCTCGTCC
CAATGCCCATCAGCCAGTGGCTCCAGTGGCTCTGACAGCAGCTGTGTGTAGGGCAGGCC
CTGGGTAGGGGCCTGGAGGACTTACCTGTGTC

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Restriction Sites:

Please inquire

ACCN:

NM_001129728

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001129728.1, NP_001123200.1</u>
RefSeq Size:	4582 bp
RefSeq ORF:	3576 bp
Locus ID:	25894
UniProt ID:	<u>Q58EX7</u>
Cytogenetics:	16q22.1
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] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 2. Variants 2, 3, and 4 encode isoform 1.