

Product datasheet for SC318610

PLEKHG2 (NM_022835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHG2 (NM_022835) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHG2
Synonyms:	ARHGEF42; CLG; CTB-60E11.4; LDAMD
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022835, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGAGGGAGCCCAAGGACTGAGCCTCTCCAAACCTAGCCCAAGCCTCGGGTGTGGC
CGAAGAGGTGAAGTGTGTGACTGTGGCACCCTGTGTGAGACTCGGACAGCTCCTGCAGCC
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CTCACATTCCAAGCCCTGCCAGCCGGGACTCTTCAGAAGAGGAGGAGGAGGAAGAGGAA
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 TCCATTGCAGCTGAAATGCCAGCATTCCCTGCCTTACAAAAATCCTGACGTGCCAAC
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 CTTGCTCTTGGCTCCACACAGGAATCTATGGGCTTCACAGGCCCAGGGGGCTCT
 GATGCCCCCTTCCACATG

Restriction Sites:

Please inquire

ACCN:

NM_022835

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.
RefSeq:	<u>NM_022835.2</u> , <u>NP_073746.2</u>
RefSeq Size:	7642 bp
RefSeq ORF:	4161 bp
Locus ID:	64857
UniProt ID:	<u>Q9H7P9</u>
Cytogenetics:	19q13.2
Gene Summary:	The protein encoded by this gene is a RhoGTPase that can activate CDC42 by promoting exchange of GDP for GTP on CDC42. The encoded protein is activated by binding to the beta and gamma subunits of heterotrimeric guanine nucleotide-binding protein. Defects in this gene have been associated with leukodystrophy and acquired microcephaly with or without dystonia. [provided by RefSeq, May 2017] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.