

## Product datasheet for **SC315235**

### DGKH (NM\_152910) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DGKH (NM_152910) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGKH
Synonyms:	DGKeta
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152910, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGGGGCCGAGGCCAGCACCACCCTCCGGGCGCCGCTGGAGGAGCGGCCGCCGGA
GCCGGCGCCGCGGTACCTCCGCCGCTGCCTCGGCGGGGCCGGGAGAGGATTCGTCTGAC
AGCGAAGCGGAGCAAGAGGGACCCAGAACTGATCCGCAAAGTGTCTACCTCGGGGCGAG
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TGCTCCCACGCCCGACCCACCTTCTGTAACGTGTGCAGAGAGAGTCTTTCTGGAGTACC
TCCCATGGCCTGTCTGCGAAGTGTGTAATTC AAGGCTCACAAAAGATGTGCAGTGAGA
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GAAGATGCTGTGGAATCGTCCAGTGAAGAGTCCCTGGGTGAAAGCAAAGAGCAGCTTGGG  
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 GATAAGCAGAAGTGTGATTCTGGTAAACAGTTCTCCGAACCCATTTGTACATCCATCAC  
 GCCATTGACTTGGCAACAGAAGAGGTGTCGCAGATGCAGCTATGCTCCAGGCTGCAGAG  
 GAGCTACTACTAGGATATGTGACGCAGCCACAATCACTGTCTTTTGGAGCAAGAAGTGC  
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 GTATCCAATGCCTTACTCTGTGGAGGTGGAATTACAGAAAAGTACAGAGATTCCTTGG  
 CTTTATTATATCTTACACCCAAATGAGGATGAGGAACCTCCTATGGATTGCACAAAAGG  
 AACACAGAAGCACCATTTTCGAATAGTCCAAAGTTTAAAAAGGAAAAGGTTCCAGAAG  
 CAGAAGACAAGTTCACAGCCTGGATCTGGGGATACCGAAAGTGGGTCATGTGAAGCGAAT  
 TCTCCAGGGAAT

- Restriction Sites:** Please inquire
- ACCN:** NM\_152910
- 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:** [NM\\_152910.3](#), [NP\\_690874.2](#)

**RefSeq Size:** 4117 bp

**RefSeq ORF:** 3495 bp

**Locus ID:** 160851

**UniProt ID:** [Q86XP1](#)

**Cytogenetics:** 13q14.11

**Domains:** DAGKa

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

**Gene Summary:** This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family. Members of this family are involved in regulating intracellular concentrations of diacylglycerol and phosphatidic acid. Variation in this gene has been associated with bipolar disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Jul 2014]  
Transcript Variant: This variant (1) encodes isoform 1. Variants 1 and 3 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.