

Product datasheet for **SC329760**

DGKH (NM_001204506) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKH (NM_001204506) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGKH
Synonyms:	DGKeta
Vector:	pCMV6-Entry (PS100001)



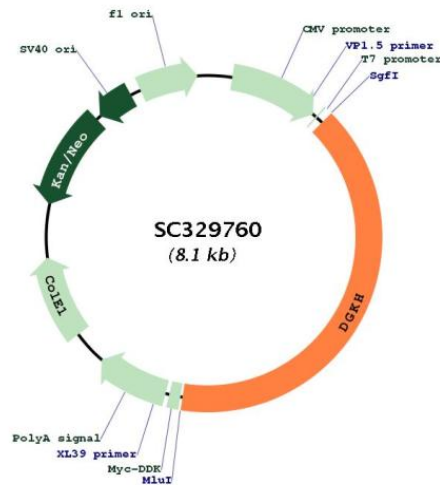
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Fully Sequenced ORF: >SC329760 representing NM_001204506.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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 GAACCCACGAGGTGGCCAGTTAATGTGGAACATTTCTCAGGGATGCACAACCTGGTACGCCTGCTCC
 CACGCCGACCCACCTTCTGTAACTGTGCAGAGAGAGTCTTTCTGGAGTCACTCCCATGGCCTGTCC
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 TCGGAGGTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001204506

Insert Size: 3255 bp

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).

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_001204506.1](#)

RefSeq Size: 3956 bp

RefSeq ORF: 3255 bp

Locus ID: 160851

UniProt ID: [Q86XP1](#)

Cytogenetics: 13q14.11

Protein Families: Druggable Genome

Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	120.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and contains an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. It initiates translation at a downstream in-frame start codon. The encoded isoform (4) has a shorter N-terminus and a distinct C-terminus, and is shorter than 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.</p>