

Product datasheet for RC219593

DGKH (NM_178009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKH (NM_178009) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DGKH
Synonyms:	DGKeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219593 representing NM_178009 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC219593 representing NM_178009
 Red=Cloning site Green=Tags(s)

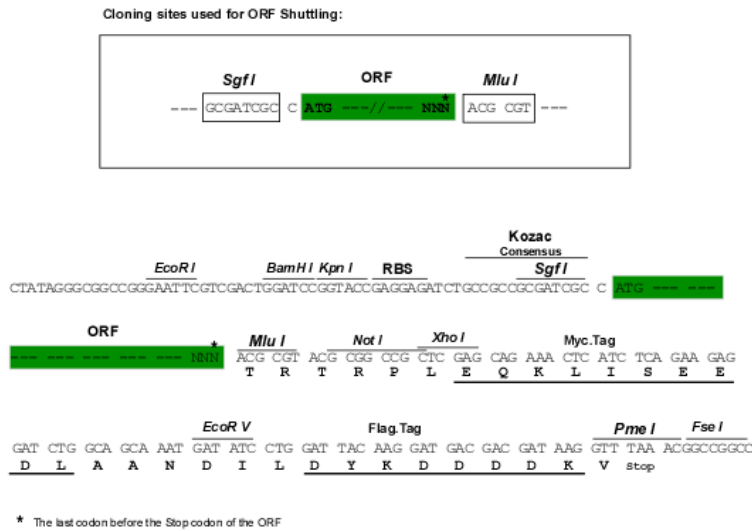
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Chromatograms: https://cdn.origene.com/chromatograms/mk8019_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

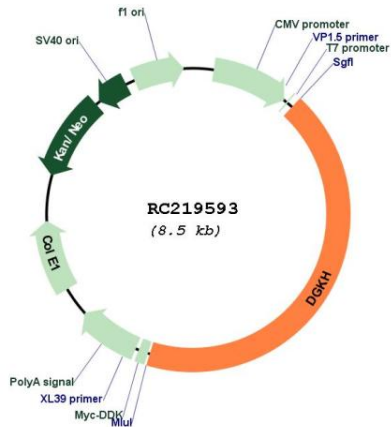


ACCN: NM_178009

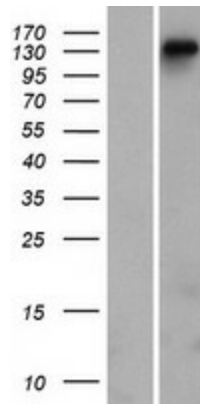
ORF Size: 3660 bp

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:	NM_178009.5
RefSeq Size:	4248 bp
RefSeq ORF:	3663 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:	134.7 kDa
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]

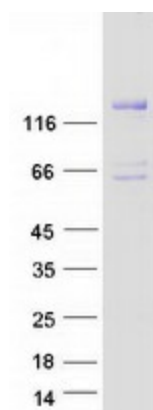
Product images:



Circular map for RC219593



Western blot validation of overexpression lysate (Cat# [LY406046]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219593 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DGKH protein (Cat# [TP319593]). The protein was produced from HEK293T cells transfected with DGKH cDNA clone (Cat# RC219593) using MegaTran 2.0 (Cat# [TT210002]).