

Product datasheet for **SC324302**

DOLK (NM_014908) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOLK (NM_014908) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOLK
Synonyms:	CDG1M; DK; DK1; SEC59; TMEM15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014908.3
 CAAAGAGGTGAGGAGCCGGCAGCGGGGCGGCTGTAAGTGTGAGGAAGGCTGCAGAGTGG
 CGACGTACGCCGTAGGTTGGAGGCTGTGGGGGTGGCCGGGCGCCAGCTCCCAGGCCG
 CAGAAGTGACCTGCGGTGGAGTCCCTCCTCGCTGCTGGAGAACGGAGGGAGAAGTTGC
 TGGCCGGTGAAAGTGCCTCCCTCTGCTGACGGGGCTGAGGGGCCCGAAGTCTAGGGCG
 TCCGTAGTCGCCCCGGCTCCGTGAAGCCCCAGGCTAGAGATATGACCCGAGAGTGCC
 ATCTCCGGCCCCGGGCTGGGCTCCGCTGAGTGGATCGGTGCTGGCAGAGGCGGCAGT
 AGTGTTCAGTGGTGTGAGCATCCACGCAACGTATGGGACCGATACTCGTGGTGCGC
 CGTGGCCCTCGCAGTGCAGGCCCTTCTACGTCCAATACAAGTGGGACCGGCTGCTACAGCA
 GGAAGCGCCGTCTCCAGTTCGGAATGTCGCAACAGTGGCCTATTGCCCGCCTCCAT
 GGTGATGCCTTTGCTTGGACTAGTCATGAAGGAGCGGTGCCAGACTGCTGGGAACCCGTT
 CTTTGAGCGTTTTGGCATTGTGGTGGCAGCCACTGGCATGGCAGTGGCCCTTTCTCATC
 AGTGTGGCGCTCGGCATCACTCGCCAGTGCCAACCAACTTGTGTCATCTTGGGCTT
 GGCTGGAGGTGTATCATTTATATCATGAAGCACTCGTTGAGCGTGGGGAGGTGATCGA
 AGTCTGGAAGTCTTCTGATCTTCGTTTATCTCAACATGATCCTGCTGTACCTGCTGCC
 CCGCTGCTTACCCTCGTGGGACTGCTGGTATTGGGTGGCATTAGCTTTGTCCTCAA
 CCAGCTCATCAAGCGCTCTCTGACACTGGTGGAAAGTCAGGGGGACCCAGTGGACTTCTT
 CCTGCTGGTGGTGTAGTAGGGATGGTACTCATGGGCATTTTTCTCAGCACTCTGTTTGT
 CTTGATGGACTCAGGCACCTGGGCTCCTCCATCTTCTCCACCTCATGACCTGTGTGCT
 GAGCCTTGGTGTGGTCTACCCTGGTGCACCGGCTCATCCGAGGAATCCCCTGCTCTG
 GCTTCTCAGTTTCTTCCAGACAGACACCCGCATCTACCTCCTAGCCTATTGGTCTCT
 GCTGGCCACCTTGGCCTGCCTGGTGGTGTGTACCAGAATGCCAAGCGGCATCTTCCGA
 GTCCAAGAAGCACCCAGGCCCCACCATCGCCGAAAGTATTTCCACCTCATTGTGGTAGC
 CACTACATCCCAGGTATCATCTTTGACCGGCCACTGCTCTATGTAGCCGCCACTGTATG
 CCTGGCGGTCTTCTCCTTCTGAGTATGTGCGCTACTTCCGCATCAAGCCTTTGGGTCA
 CACTCTACGGAGCTTCTGTCCCTTTTTCTGGATGAACGAGACAGTGGACCACTATTCT
 GACACACATCTACCTGCTCCTGGGCATGTCTTCCCCTCTGGCTGATCCCCAGACCCTG
 CACACAGAAGGGTAGCCTGGGAGGAGCCAGGGCCCTCGTCCCCTATGCCGGTGTCTGGC
 TGTGGGTGTGGGTGATACTGTGGCCTCCATCTTCGGTAGCACCATGGGGGAGATCCGCTG
 GCCTGGAACCAAAAAGACTTTTGGGGGACCATGACATCTATTTTGGCAGATCATTTT
 TGTAGCTCTGATCTTAATCTTTGACAGTGGAGTGGACCTAAACTACAGTTATGCTTGGAT
 TTTGGGTCCATCAGCACTGTGTCCCTCCTGGAAGCATACACTACACAGATAGACAATCT
 CCTTCTGCCTCTCTACCTCCTGATATTGCTGATGGCCTAGCTGTTACAGTGCAGCAGCAG
 TGACGGAGGAAACAGACATGGGGAGGGTGAACAGTCCCCACAGCAGACAGCTACTTGGGC
 ATGAAGAGCCAAGGTGTGAAAAGCAGATTTGATTTTTCAGTTGATTTCAGATTTAAATAA
 AAAGCAAAGCTCTCCTAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014908

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:	<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:	<u>NM_014908.3</u> , <u>NP_055723.1</u>
RefSeq Size:	2267 bp
RefSeq ORF:	1617 bp
Locus ID:	22845
UniProt ID:	<u>Q9UPQ8</u>
Cytogenetics:	9q34.11
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene catalyzes the CTP-mediated phosphorylation of dolichol, and is involved in the synthesis of Dol-P-Man, which is an essential glycosyl carrier lipid for C- and O-mannosylation, N- and O-linked glycosylation of proteins, and for the biosynthesis of glycosyl phosphatidylinositol anchors in endoplasmic reticulum. Mutations in this gene are associated with dolichol kinase deficiency.[provided by RefSeq, Apr 2010]