

Product datasheet for **MR208554**

Dolk (NM_177648) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dolk (NM_177648) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dolk
Synonyms:	BC026973; mKIAA1094; Tmem15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208554 representing NM_177648
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCGACAGTGCCCTCCCCAGGAGTCTGGGGTGCCTGAGCGGGTCCGGTCTGGCGGAGGCTGCAG
 TGGTGTTCGCGCTGGTGTGAGCATCCACGCTGCAGTGTGGGACCGATACTCCTGGTGCAGCGGTGGCCCT
 CGCGGTGCAGGCCTTCTACGTCCAGTACAAGTGGGACCGCTGCTCCAGCAGGGCAATGCCGTTTTCCAG
 TTCCGGATGTCCGCAACAGCGGCTTACTGCCGCCTCCATGGTCATGCCTTTGCTTGGGCTAGTCATGA
 AGGAGCGCTGCCAGACTGCAGGGAACCCATACTTCGAGCGCTTCGGCATTGTGGTTCAGCTACTGGCAT
 GGCAGTGGCCCTTCTCCTCCGTGTGGCACTGGGCATTACTCGCCCGTGCCCACTACTTGTGCC
 ATCTCTGGTTTGGCTGGAGGCGTATCATTATATTATGAGGCACTCGCTCAGTGTAGGCGAGGTGATCG
 AGGTCCTGGAAGTCTGTAATATTTGTTTATCTCAACATGATCCTGCTGTACCTGCTGCCCGATGCTT
 CACTCCTGGGAGGCACTGCTGGTATTGGGTGGCATTAGCTTCGTCCTTAACCAACTCATCAAGCGCTCT
 CTGACTGAAAGCCAGGGGACCCAGTGGACTTCTCCTGTTGGTGGTGGTAGGGATGGTGTCTATGG
 GTGCTTTTTTCAGCACCTCTTTGTCTTATGGATTACAGGCACCTGGGCCTTCCATCTTCTCCACCT
 CATGACCTGTGTGCTGGGCCTTGGTGTGGTTCTGCCCTGGCTGCACTGGCTCATTCTGATAGGAACCCCTG
 CTTTGGCTTCTTCACTTCTTCTACACTGAACTCGCATCTACCTCCTTGCTATTGGTCTTTGCTGG
 CCTCTGTGGCTGCCTGGTGGTGTGTACCAGAATGCTAAGCGGTGCTCTTCTGAGTCCAAGAAGCACAG
 GGGCCTACCATTACAAGAAAGTATTTCACTTCACTTGTGGTAGCCACTTATATCCCGGGCATCATCTTT
 GACCGGCACTGCTGTATGTGGCCGCACTGTGTGCCTGGCAGTCTTCTCTTCTGGAGTATGTGCGCT
 ATTTCCGAATAAAGCCCTTGGGTCACACTCTGCGAAGCCTTCTGCCCTTCTGGATGACGAGACAG
 TGGACCCCTTATCCTAACACACATCTACCTGCTTCTGGGATGTCTCTTCTATTTGGCTGATCCCCAGA
 CCCTGTACACAGAAGGACAGCCTGGAAGGAGCAAGAGCCCTGGTCCCCTATGCTGGGGTCTTGGCTGTGG
 GTGTGGGTGATACTGTGGCCTCCATATTTGGCAGCACCATGGGAGAGATCCGCTGGCCTGGAACCTAAGAA
 AACCTTCGAGGGGACTATGACATCTATATTTGCACAAATCATCTCTGTAGCTCTAATCTTAACTTTGAC
 AGTGGAGTAGACCTGAACACAGTTATGCCTGGATTTGGGGTCCATCAGCACTGTATCCCTTCTGGAA
 CGTACACTACTCAGATAGACAATCTCCTGTTGCCTCTCTACCTACTGATATTGCTGATGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208554 representing NM_177648
 Red=Cloning site Green=Tags(s)

MTRQCPPQESGAALSGSVLAEAAVVFVAVLSIHAAVWDYRYSWCAVALAVQAFYVQYKWRLLQQGNAVFO
 FRMSANSGLLPASVMPLLLGLVMKERCQTAGNPYFERFGIVVAATGMAVALFSSVLALGITRPVPTNTCA
 ISGLAGGVIIYIMRHSLSVGEVIEVLEVLLIFVYLNMIYLLYLLPRCFTPGEALLVLGGISFVNLQLIKRS
 LTESQGDVDFLLVVVGMVLMGVFFSTLFFVMDSGTWASSIFFHLMTCVLLGLGVVLPWLHWLIRRNP
 LWLLQFLFYETRIYLLAYWLLASVACLVLVYQNAKRSSSESKHRAPTITRKYFHFIVVATYIPGIIF
 DRPLLVAATVCLAVFIFLEYVRYFRIKPLGHTLRSLLSLFLDERDSGPLILTHIYLLGMSLPIWLI
 PCTQKDSLEGARALVPYAGVLAVGVGDTVASIFGSTMGEIRWPGTKKTFEGTMTSIFAQIISVALILIFD
 SGVDLNYSAWILGSISTVSLLEAYTTQIDNLLLPLYLLILLMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9027_c08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_177648

ORF Size: 1602 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:**
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_177648.3](#), [NP_808316.1](#)

RefSeq Size: 2126 bp

RefSeq ORF: 1605 bp

Locus ID: 227697

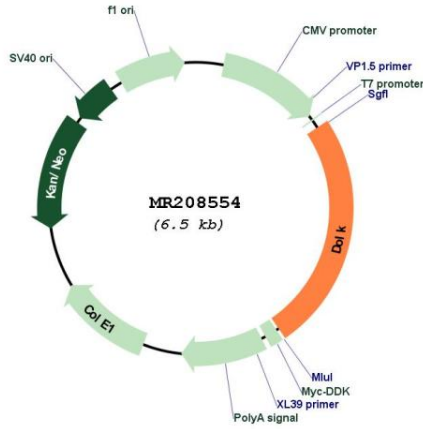
UniProt ID: [Q8R2Y3](#)

Cytogenetics: 2 B

MW: 59.6 kDa

Gene Summary: Involved in the synthesis of the sugar donor Dol-P-Man which is required in the synthesis of N-linked and O-linked oligosaccharides and for that of GPI anchors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208554