

Product datasheet for MR202775

Dkk11 (NM_015789) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dkk11 (NM_015789) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dkk11
Synonyms:	AI414495; mSgy; SGY; SGY-1; SGY1; Soggy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202775 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTCGACTGAGGGTCTTGCTGCTGCTGCTCCCCTTGGCCTTCGTGTCCTCCTCTGCTCTCCCATCC
ATGATGTCGACTCTCAGCAGAACACCTCCGGTTCCTGGCCTTCAGAGGCTTCTCAAAGCTTTAGTCG
ACTGTTCTAAAAATGACCTGCTACGAGACCTGGACAATTCTTCTCCTCCCCATGGACTTCCGAGAC
CTTCTAGGAACCTCCATCAGGAAGAGAACCAGGAGCACAGAATGGCAACCATAACCTCTCCAGCCACC
TACAGATAGACAAGGTGACTGACAACCAGACAGGGGAGGTGCTCATCTCGGAGAAAGTCGAGGCCTCCAT
TGAGCCAGAACGGAACCCGGAAGGGGACTGGAAGGTTCCCAAAGTAGAAGCAAAAGACCCCGGTGCC
GTGCGAAGGTCACCGACAGCTTGCACCCAGAGCCCGGAGGTGGCTTTCTGGATCATGAAGATGCCAA
GGCGGAGGACCCAGCCGATGTCCAGGATGGAGCCGCTGGCTCATAGAAAAGCGACATCGCATGCAGGC
CATCCGGGATGGGCTCCGTGGAGGCCCGTGAGGACAGCCTGGAGGATGGGGTCCATATCCCCAACAC
GCCAAGCTGCCTGTCAGAAAGACACACTTTCTCTACATCCTCAGGCCATCCCAACAGCTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202775 protein sequence
 Red=Cloning site Green=Tags(s)

MCRLRVLLLLLPLAFVSSSALPIHDVDSQQNTSGFLGLQRLQSF SRLFLKNDLLRDLNFFSSPMDFRD
 LPRNFHQEENQEHRMGNHTLSSHLQIDKVTDNQTGEVLI SEKVEASIEPERNPEGDWKVPKVEAKEPPVP
 VQKVTDSLHPEPRQVAFWIMKMPRRRTQPDVQDGGRWLIEKRHRMQAIRDGLRGGAREDSLEDGVHIPQH
 AKLPVRKTHFLYLIRPSQQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_015789

ORF Size: 693 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_015789.3](#), [NP_056604.2](#)

RefSeq Size: 903 bp

RefSeq ORF: 693 bp

Locus ID: 50722

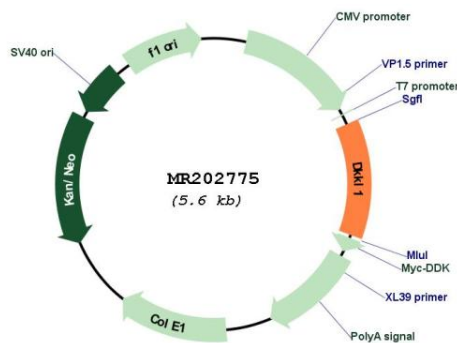
UniProt ID: [Q9QZL9](#)

Cytogenetics: 7 29.19 cM

MW: 26.6 kDa

Gene Summary: Involved in fertilization by facilitating sperm penetration of the zona pellucida (PubMed:19596312, PubMed:22817830). May promotes spermatocyte apoptosis, thereby limiting sperm production. In adults, may reduces testosterone synthesis in Leydig cells (PubMed:18818293). Is not essential either for development or fertility (PubMed:19596310). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202775