

Product datasheet for **MR222704**

Dact3 (NM_001081655) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dact3 (NM_001081655) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dact3
Synonyms:	EG666671; naa-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222704 representing NM_001081655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCGGGCTTCTCGTTCCCGGTGAGCCCGAGCGGGTTCGGCTGCGGGGATGGTTGGAAGGCAGCC
 TGGCCGGGCTCTGCGAGTTGCATTGGCTCCGAGAGAGGCAGGAGTACCGGTGCAGCAGGCGCTGCGGCT
 GGCCAGCCCGGATGGGGGCGCCGAGGCTGAGGACGAGGAGGACGCCGAGGAGACGAGGATGCGGCA
 GCGGCGCGCAGGGCCGACGAGCCCTGGAGGAGCAGCTGGAGGCCCTGCCTGGGCTCATCTGGGACCTGG
 GCCAGCAGCTGGGAGACCTGAGTCTGGAGTCTGGTGGCTGGACCAGGAGAGTGGGCGCAGCTCAGGCTT
 CTATGAAGACCCAGTTCTACTGGAGGCCAGATTACCACCCTCCACCTTCTGCGGGGACAGTGGCTTC
 TCCGGATCTGGCTCCTATGGACGCTGGTCCCTCGGACCCCGGGGCATCTATGCCAGTGAAGACCCA
 AGTCTTAGGCGACGCCAGTCCCAGCGCCCGAGTGGTGGTGGCCGGTTCAGTGCCTCGATCCTT
 CTCAGCTCCCTATCCGACGGCAGCAGCCGAGCTGAGACCTGCTCATCCGCGAACGGCGGGCTCGTGCC
 GGCCCTTCTGACACCTAGCCACTGCACGCGGTGGCTCTGCGCAGCCAAAGGCCAAGTGGACGGTAC
 CGTGCGGCTCGCCGACGGGGCGCCAGCCGGCCCTTGACGGCTACATCTCGGCGCTCCTGCGCAGGCG
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 GGCGCGCGCCCGCGGCCCTGAAGCGTCCCAGCCCGGGAGGCGCGACCCGCGCGGGAACCGTGA
 CAGAGCGCGCTGGGCTGCGGCTGGGAGGCGGAGTTCCACCCGAACCCGCGCTCCGGCCCGCGCTC
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 AGGGCCCTCCGGGCGCGCCGCGCGCCCGGGCTCCGCCGTTACGCGAGTCCGAGTGGAGCAGT
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 CCACGCGACGGTCCAGGCTGCGTGGTGGCTTCCACCGTGAAGTGCAGCAGCAGCGATGGCCGCCG
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 GGGCCCTCGCGTCCGGGCGGGGGTGTGCTGGTGGAGGGACGCTGCGGGCCCGCCAAAGTCTTCG
 TGAAGATCAAGGCATCGCACGCGCTGAAGAAAAGATCCTTCGTTTTCGTGGGTTCTCTGAAGTCAT
 GACGACTGTG

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 TGGATTACAAGGATGACGACGATAAGGTTTAA

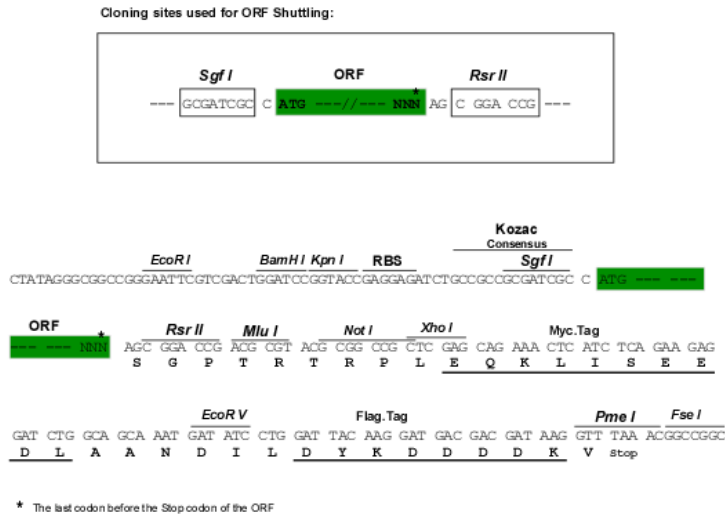
Protein Sequence:

>MR222704 representing NM_001081655
 Red=Cloning site Green=Tags(s)

MIRAFSFPVSPERGRLRGWLEGLAGLCELHLRERQYRVQALRLAQPGMGGAEEDEEAEDEEDAA
 AARRAAAAL EEQLEALPGLIWDLGQQLGDL SLESGLDQESGRSSGFYEDPSSTGGPDSPPSTFCGDSGF
 SGSGSYGRLGPSDPRGIYASERPKSLGDASPSAPESV GARVAVPRSF SAPYPTAAAGAE TCSSAERRARA
 GPFLTPSPLHAVALRSPRPSGRVPCGSPDGAASRPLDGYISALLRRRRRRGAGQPRTPSGGADGGARRQN
 GARPRPPEASPPPGARPAREPSTERAWAAWEAEVPEPAPPAASPPSSPAEGRLVKAQYIPGAPAAS
 RGLPGRAARRRAPPLTRGRSVEQSPPRERPRRAAGRRRLAEPGRRRSPRARKAARSQSETSLGRAHAA
 PPPKYPTAERDEPRPRRRGPAPTPTVQACRRWRSTAEIDAPDGRRRPRARVPAPRGPAPSPSAPRRLL
 YGCAGSDSECSAVGRPVPLGRRMPSGAPGGYGESESSASEGESPAFSSASSDSDSGSGLVWPQQLVAAA
 GASPSGPGAAGGGTPAGPAKVFV KIKASHALKKKILFRFRSGSLKVMTTV

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9110_h12.zip
Restriction Sites: SgfI-RsrII
Cloning Scheme:



ACCN: NM_001081655

ORF Size: 1830 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_001081655.1](#), [NP_001075124.1](#)

RefSeq Size: 2828 bp

RefSeq ORF: 1833 bp

Locus ID: 629378

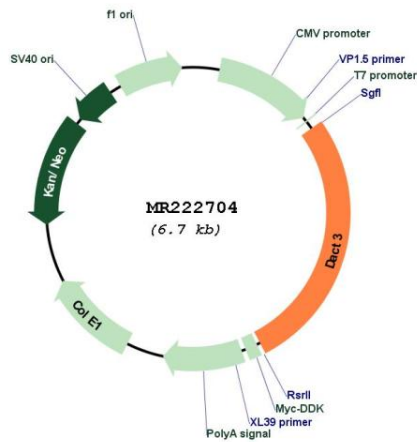
UniProt ID: [Q0PHV7](#)

Cytogenetics: 7 A2

MW: 63.3 kDa

Gene Summary: May be involved in regulation of intracellular signaling pathways during development. Specifically thought to play a role in canonical and/or non-canonical Wnt signaling pathways through interaction with DSH (Dishevelled) family proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222704