

Product datasheet for MR226975

Dand5 (NM_201227) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dand5 (NM_201227) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dand5
Synonyms: Cerl-2; Cerr2; coco; Dte; GREM3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226975 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCGTAGCCAGTTCACCACGCTGCTGGGTCTGTTTCAGTGGGGCCTGGCTGCCACAGGCTCAGGGA
GGCCTGGGGCCCCAGCGACCCCTGTTTCAGTCCGGGACTGCTATCAATCAGAGCTGGACTCTGGATCCCT
GGTGCCATCTCTGCCCTGGGTAGCTGGGAGCCCTTCTGGGCCTGCAGAACAAACAGCAGGGGACAGGT
GAGCTGCAGGGAGGAGGGCAGAGAGTAGCTGCTGGTGTGCCTTTGCCCTGGCTCCTCAAGAAGTGCTTC
AGGAGACTTGAAAGCTCTGCCTTTGTTTCAGGTGATCTCCAGGCCTGGTTGCACAAGTGCCCGGTCTCT
TAATCATCTCTGTTTTGGCCGCTGTTCCCTCTTACATCCCAGCTCAGATCCCACCCCTGTAGCTTTC
TGCAACAGCTGTGTGCCGCTCGAAAGCCTGGACATCGGTGACGCTGTGGTGTGGAGCTGGCCAATTAG
CCTCCCCTCGGCGGGTGAGGATTCCACGGTATTGGTCCAGAAGTGTCAGTGCCGCCCAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226975 protein sequence
Red=Cloning site Green=Tags(s)

MFRSQFTLLGLFSGAWLPTGSGRPGAPATPVQSGTAINQSWTLDPLVPISALGSWEAFLGLQNKQQTG
ELQGGQRVAAGVPLPLAPQEVLQETCKALSFVQVISRPGCTSARVLNHLFCGRCSFYIPSSDPTPVV
CNSCVPARKRWTSVTLWCGAGQLASPRRVRISTVLVQKCQCRPKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_201227

ORF Size: 558 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_201227.1](#)

RefSeq Size: 1584 bp

RefSeq ORF: 558 bp

Locus ID: 23863

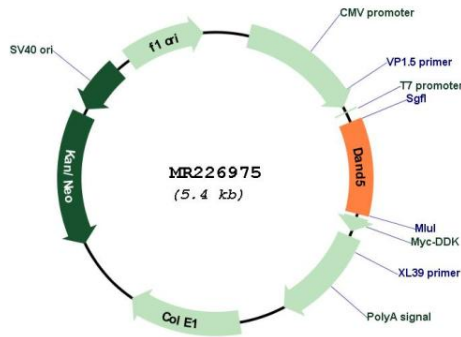
UniProt ID: [Q76LW6](#)

Cytogenetics: 8 C2

MW: 19.8 kDa

Gene Summary: Seems to play a role in the correct specification of the left-right axis. May antagonize NODAL and BMP4 signaling. Cystine knot-containing proteins play important roles during development, organogenesis, and tissue growth and differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226975