

Product datasheet for **MG226975**

Dand5 (NM_201227) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dand5 (NM_201227) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dand5
Synonyms: Cerl-2; Cerr2; coco; Dte; GREM3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226975 representing NM_201227
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCGTAGCCAGTTCACCACGCTGCTGGGTCTGTTTCAGTGGGGCCTGGCTGCCACAGGCTCAGGGA
GGCCTGGGGCCCCAGCGACCCCTGTTTCAGTCCGGGACTGCTATCAATCAGAGCTGGACTCTGGATCCCT
GGTGCCATCTCTGCCCTGGGTAGCTGGGAGCCCTTCTGGGCCTGCAGAACAAACAGCAGGGGACAGGT
GAGCTGCAGGGAGGAGGGCAGAGAGTAGCTGCTGGTGTGCCTTTGCCCTTGGCTCCTCAAGAAGTGCTTC
AGGAGACTTGAAAGCTCTGCCTTTGTTTCAGGTGATCTCCAGGCCTGGTGCACAAGTGCCCGGCTCCT
TAATCATCTCTGTTTGGCCGCTGTTCCCTTCTACATCCCAGCTCAGATCCCACCCCTGTAGTCTTC
TGCAACAGCTGTGTGCCGCTCGAAAGCCTGGACATCGGTGACGCTGTGGTGTGGAGCTGGCCAATTAG
CCTCCCCTCGCGGGTGAGGATTTCCACGGTATTGGTCCAGAAGTGTCAGTGCCGCCCAAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226975 representing NM_201227
Red=Cloning site Green=Tags(s)

MFRSQFTLLGLFSGAWLPTGSGRPGAPATPVQSGTAINQSWTLDPLVPISALGSWEAFLGLQNKQQTG
ELQGGGQVAAGVPLPLAPQEVLQETCKALSFVQVISRPGCTSARVLNHLFCGRCSSFYIPSSDPTPVV
CNSCVPARKRWTSVTLWCGAGQLASPRRVRISTVLVQKCQCRPKL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

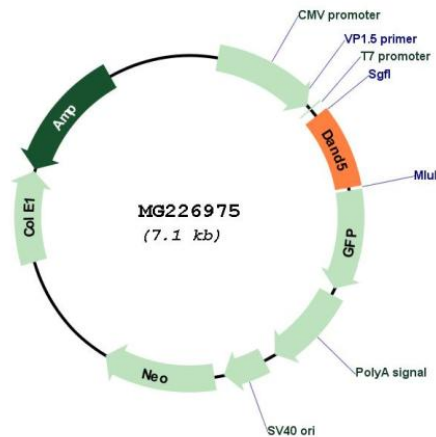


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_201227

ORF Size: 555 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:	<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_201227.1</u>
RefSeq Size:	1584 bp
RefSeq ORF:	558 bp
Locus ID:	23863
UniProt ID:	<u>Q76LW6</u>
Cytogenetics:	8 C2
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]