

Product datasheet for MC211227

Ddi1 (NM_027942) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddi1 (NM_027942) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddi1
Synonyms:	1700011N24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211227 representing NM_027942 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGATCACTGTGTATTGTGTGCGTAGGGACCTCACAGAGGTAACTTTCCCTCCAGGTCAACCTG
ACTTTGAGCTCTCAAACCTCAGAGTCTCTGTGAGCTTGAGTCTGGTGTGCCTGCTGAGGAGGCCAGAT
CGTTTACATGGAACAGCTCCTCACAGATGACCACTGCTCCCTGGGCTCCTATGGACTCAAAGATGGTGAC
ATGGTTGTAATCTTCTCAGAAGGATAATGTTGGACTTCGGACTCCAGGAAGGACTCCAAACCATCCTCGAG
CAGATTTCACTGGGTCTGGGTCGGCCGTGCCTGGAACATCAAGTTCCTGACACCCGCATCAGCATCAACA
CCATTATCACCATCATCAACGTATACCATCAACACAGCAAGCCACGGATTAGCCTCTGGAGAGAATATG
ACCTTTGCTCAGGAACCTCGACAGCCCTGCCCTGATTCTGAAGCATGCTGCTTTCCAACCCCATGATCTGT
CCCTGTTGAAGGAACGGAATCCTGCTTTGGCTGAAGCTCTGCTTAGTGGAAACCTTGAGACATTTTCTCA
GGTCTGATGGAGCAGCAGAGAGAAAGGACCTTGAGAGAGCAAGAGATGTTTCGTCTTTACTCTACTAAC
CCATTTGATCAGGAACTCAGGCTAGAATAGAAGAAGAAATCCGACAACAGAATATTGAAGAAAATATGA
ACATAGCTATGGAAGAGGCTCCGAGAGTTTTGGACAAGTCGCTATGCTCTATATTAAGTCAAGTGAA
TGGGCATCCTTTAAAGGCTTTTGTGACTCTGGTGCCAGATGACTATCATGAGCCAAGCTTGCTGCTGAG
AGATGTAATATTATGAGACTGGTAGACCGACGGTGGGTGGGTGCTAAGGGAGTAGGCACACAGAGGA
TTATGGGCCGCGTTCATCTGGCTCAGATTCAAATTGAAGGTGATTCTTACAGTGCTCTTTCTCTATACT
TGAAGAGCAGCCCATGGATATCCTTCTAGGGCTTGATATGCTCAGGAGGCACCAAGTGTTCATCGACCTA
AAGAAAATGTGCTGGTATTGGCACTACCGGCTCACAGACTCACTTCCTTCTGAAGGAGAGTTGCCCT
TGTGTGCTAACTGTTGAGTGGAAGTGTACAAGAAGAGTCTTCAGACAGGGAAGTAGGAGGTACTATCAA
ACACCCTGTCAAGGGTCTGGACGTAAAAAGCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_027942
Insert Size:	1227 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_027942.1, NP_082218.1</u>
RefSeq Size:	1520 bp
RefSeq ORF:	1227 bp
Locus ID:	71829
UniProt ID:	<u>Q9DAF3</u>
Cytogenetics:	9 A1
Gene Summary:	Probable aspartic protease (By similarity). Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2. Required, with DDI2, for cellular survival following replication stress. Together or redudantly with DDI2, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (By similarity).[UniProtKB/Swiss-Prot Function]