

Product datasheet for **MR203647**

Dnajc27 (NM_153082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc27 (NM_153082) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc27
Synonyms:	AI639580; C330021A05Rik; Rabj; Rbj
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203647 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGACCAACGTGCCGAAGAGGAAGGAGCCCGCCAAGTCCCTCCGCATCAAAGTCATCTCCATGGGCA
ACGCCGAAGTGGGAAAAGCTGTATTATAAAGCGCTACTGTGAGAAGAGATTTGTGTCTAAATACCTGGC
AACCATCGGGATTGACTATGGAGTCACAAAGGTCCAAGTCAGAGACAGAGAGATCAAAGTTAACATCTTT
GACATGGCTGGACATCCCTTCTTCTTTGAGGTCCGAAATGAGTTTACAAGGACACACAAGGTGTGATAC
TAGTCTATGATGTTGGACAGAAAGACTCATTTGATGCCCTTGATTCGTGGCTGGCAGAGATGAAGCAGGA
GCTTGGGCCTCACGGGAACATGGACAACATTGTCTTTGTTGTTTGTGCCAACAAGATCGACTGCTCCAAA
CACCGCTGCATCGATGAAAGTGAGGGGCGTCTCTGGGCTGAAAGCAAAGGTTCTGTACTTTGAAACAT
CAGCACAACCTGGAGAGGGAATCAACGAGATGTTCCAGACCTTTTACTTGTCCATAGTTGACTTGTGTGA
AAATGGCGGGAAGCGTCTACTGCAAGTAGCAGTGCTAGTTTCACCAAAGAACAAGCAGACACTATTCGC
AGAATCCGAAATAGTAAGGACAGCTGGGAGATGCTAGGAGTCAGACCTGGAGCCTCAAGGGAGGAAGTTA
ATAAGGCCTACCGAAGCTGGCTGTGCTGCTTCACCCGGACAAGTGTGTAGCACCAGGCAGTGAAGATGC
CTTCAAAGCAGTTGTGAATGCCCGGACAGCCCTCTGAAAAACATCAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203647 protein sequence
Red=Cloning site Green=Tags(s)

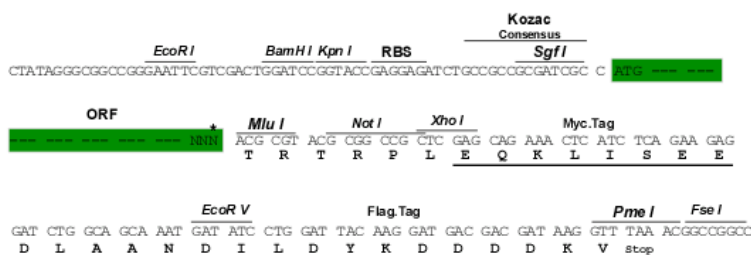
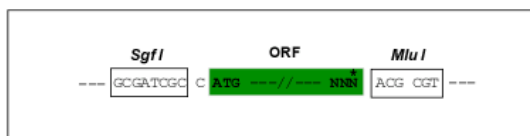
METNVPKRKEPAKSLRKIVISMGNAEVGKSCIIKRYCEKRFVSKYLATIGIDYGVTKVQVRDREIKVNI
 DMAGHPFFFEVRNEFYKDTQGVLVYDVGQKDSFDALDSWLAEMKQELGPHGNMDNIVFVVCANKIDCSK
 HRCIDSEGRWLWAESKGLFYFETSAQTGEGINEMFTFYLSIVDLCEGGKRPTASSSASFTEQADTIR
 RIRNSKDSWEMLGVRPGASREEVKNAYRKLAVLLHPDKCVAPGSEDAFKAVVNARTALLKNIK

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 153082

ORF Size: 819 bp

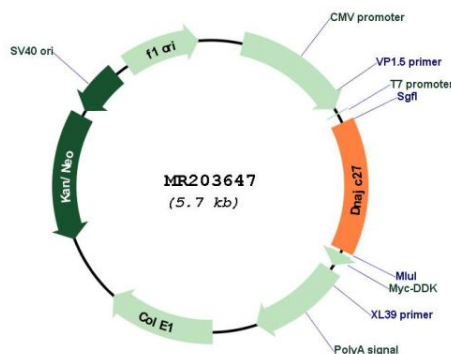
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153082.4, NP_694722.2</u>
RefSeq Size:	4713 bp
RefSeq ORF:	822 bp
Locus ID:	217378
UniProt ID:	<u>Q8CFP6</u>
Cytogenetics:	12 A1.1
MW:	30.8 kDa
Gene Summary:	GTPase which can activate the MEK/ERK pathway and induce cell transformation when overexpressed. May act as a nuclear scaffold for MAPK1, probably by association with MAPK1 nuclear export signal leading to enhanced ERK1/ERK2 signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203647