

Product datasheet for RN215154

Dnajc27 (NM_206845) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Dnajc27 (NM_206845) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Dnajc27 |
| Synonyms: | Rbj |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN215154 representing NM_206845 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCCAACGTGCCGAAGCGGAAGGAGCCCTCAAGTCCCTCCGCATCAAAGTCATCTCCATGGGCA
ACGCCGAAGTGGGAAAAGCTGCATTATAAACGCTACTGTGAGAAGAGATTTGTGTCTAAATACCTGGC
CACCATTGGGATTGACTATGGAGTCACAAAGTCCAAGTCAGAGACAGAGAAATCAAAGTTAACATCTTT
GACATGGCTGGACATCCCTTCTTCTTTGAGGTCCGAAATGAATTCTACAAGGACACACAAGGTGTGATAC
TGGTCTATGACGTTGGGCAGAAAGACTCATTTGACGCCCTTGATTCATGGCTGGCAGAAATGAAGCAAGA
GCTTGGGCCTCATGGGAACATGGAGAATATTGTCTTTGTTGTATGTGCCAACAAGATTGACTGCTCTAAA
CACCGCTGCATTGATGAAAGTGAGGGCGTCTCTGGGCTGAAAGCAGAGGGTTCCTGTACTTTGAAACAT
CAGCACAGACTGGAGAGGGGATCAACGAGATGTTCCAGACCTTTTACATGTCCATAGTTGACTTGTGTGA
AAATGGGGCAAGCGTCTACCGCAAATAGCAGTGCTAGCTACACCAAAGAACAAGCGGACACCATTGCG
CGAATCCGACTAGTAAGGACAGCTGGGAGATGCTGGGAGTCAGACCTGGGGCCTCAAGGGAGGAAGTCA
ATAAGGCCTACCGAAGCTGGCTGTGCTGCTTACCCAGACAAGTGTGTAGCTCCTGGTAGTGAAGATGC
CTTCAAAGCAGTTGTGAACGCCCGGACAGCTCTCTGAAAAACATCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_206845 |
| Insert Size: | 822 bp |



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| 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: | <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: | NM_206845.2 , NP_996727.2 |
| RefSeq Size: | 4578 bp |
| RefSeq ORF: | 822 bp |
| Locus ID: | 298859 |
| UniProt ID: | Q6IML7 |
| Cytogenetics: | 6q14 |
| 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] |