

## Product datasheet for **RG231022**

### **RBJ (DNAJC27) (NM\_001198559) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RBJ (DNAJC27) (NM\_001198559) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DNAJC27  
**Synonyms:** RabJ5; RBJ  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231022 representing NM\_001198559  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCCAACATGCCGAAGCGGAAGGAGCCCGCAGGTCTCTCCGCATCAAAGTCATCTCCATGGGCA  
ACGCCGAAGTGGGAAAAGCTGTATTATAAAGCGATACTGTGAGAAAAGATTCGTGTCTAAATACCTGGC  
AACAAATGGAATTGACTATGGAGTCACAAAGGTACACGTCAGAGACAGAGAAATCAAAGTTAACATCTTT  
GATATGGCTGGACATCCCTTCTCTATGAGGTTGAAATGAGTTTACAAGGACACACAGGGTGTGATAC  
TGGTCTATGATGTTGGGCAGAAAGACTCCTTTGACGCCCTTGATGCGTGGCTGGCAGAAATGAAGCAAGA  
GCTTGGACCTCATGGAACATGGAAAATATTATATTTGTAGTTTGTGCCAACAAAGATTGATTGTACCAAA  
CATCGCTGTAGATGAAAGTGAAGGACGCTTTGGGCTGAAAGCAAAGGTTCTCTGACTTTGAAACTT  
CAGCACAAACTGGAGAAGGCATTAATGAGATGTTCCAGGGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231022 representing NM\_001198559  
**Red=Cloning site Green=Tags(s)**

MEANMPKRKEPGRSLRIKVISMGNAEVGKSCIIKRYCEKRFVSKYLATIGIDYGVTKVHVRDREIKVNI  
DMAGHPFFYEVRNEFYKDTQGVILVYDVGQKDSFDALDAWLAEMKQELGPHGNMENIIFVVCANKIDCTK  
HRCVDESEGRWAEKGFYFETSAQTGEGINEMFQG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001198559.1, NP_001185488.1</u>
<b>RefSeq Size:</b>	4847 bp
<b>RefSeq ORF:</b>	534 bp
<b>Locus ID:</b>	51277
<b>UniProt ID:</b>	<u>Q9NZQ0</u>
<b>Cytogenetics:</b>	2p23.3
<b>Gene Summary:</b>	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]