

## Product datasheet for **RG220689**

### **C18orf26 (DYNAP) (NM\_173629) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C18orf26 (DYNAP) (NM\_173629) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DYNAP  
**Synonyms:** C18orf26  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220689 representing NM\_173629  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTGCAGATATAAAGGGCAATGAACAAATTGAAAAATATTCTTGGAGAGAAGCTTGTGATACTGGCA  
GCTCAAGAATGGACAGAAAGCATGGAAAATACATATTGAACGTTGAGCACTCTGAAAACCGCCGCAAT  
CACACATCCAAATGACCAAGAGGCTCACAGTTCATATGCTGGTGTCTACCTTCAAATGATATAACCACT  
GATGTCTCTCCCAACTTAACTGGGGTCTGCGTGAACCCAGGAATCCTTGACATTCAGATGTCTACAGT  
CAGAATCTGTAAACACACAGGTAAGAATAATTGCCGCAATGACTGGTCTATGTGAAAGTCTTCTGCG  
TTGTCTCTTAGCCTGTGTGATAATGACAGCAATTGGAGTACTTATAATATGCTTGGTGAATAACAAAGGA  
TCGGCCAATTCCTCCATTGTTATCCAGCTATCCACAAATGATGGAGAGTGTGTGACTGTCAAACCTGGAA  
CACCTCTCTGCTTGTCCACCTACAATGACCACCACTTCAACTGTACCTGCAAGTACAGCCACTGAATC  
TACAACTTCAACAGCTACAGCTGCCACCACTTCCACAGAACCTATAACTGTTGCACCTACCGATCATTTA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG220689 representing NM\_173629  
Red=Cloning site Green=Tags(s)

MVADIKGNEQIEKYSWREACDTGSSRMDRKHGKYILNVEHSENQPPITHPNQEAHSSICWCLPSNDITS  
DVSPNL TGVCVNPGLAHSRCLQSESCNTQVKEYCRNDWSMVKVFLACL LACVIMTAIGVLIICLVNNGK  
SANSSIVIQLSTNDGECVTVKPGTSPACPPMTTSTVPASTATESTTSTATAATTSTEPITVAPTDHL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

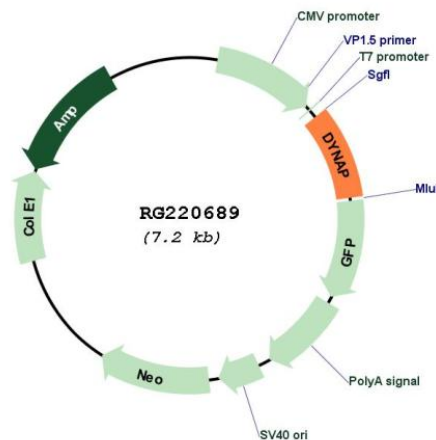


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_173629

ORF Size: 630 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.

**RefSeq:** [NM\\_173629.2](#), [NP\\_775900.1](#)

**RefSeq Size:** 2027 bp

**RefSeq ORF:** 555 bp

**Locus ID:** 284254

**UniProt ID:** [Q8N1N2](#)

**Cytogenetics:** 18q21.2

**Protein Families:** Transmembrane

**Gene Summary:** Plays a role in the regulation of cell proliferation. Promotes activation of the AKT1 signaling pathway. Promotes phosphorylation of AKT1 at 'Ser-473'. [UniProtKB/Swiss-Prot Function]