

## Product datasheet for **RC220689**

### **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:** Myc-DDK  
**Symbol:** DYNAP  
**Synonyms:** C18orf26  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC220689 representing NM\_173629  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGTTGCAGATATAAGGGCAATGAACAAATTGAAAAATATTCTTGGAGAGAAGCTTGTGATACTGGCA  
GCTCAAGAATGGACAGAAAGCATGGAAAATACATATTGAACGTTGAGCACTCTGAAAACCGCCCAAT  
CACACATCCAAATGACCAAGAGGCTCACAGTTCATATGCTGGTGTCTACCTTCAAATGATATAACCACT  
GATGTCTCTCCAACTTAACTGGGGTCTGCGTGAACCCAGGAATCCTTGCACATTAAGATGTCTACAGT  
CAGAATCTGTAAACACACAGGTAAGAATATTGCCGCAATGACTGGTCTATGTGAAAAGCTTCTCTGGC  
TTGTCTCTTAGCCTGTGTGATAATGACAGCAATTGGAGTACTTATAATATGCTTGGTGAATAACAAAGGA  
TCGGCCAATTCCTCCATTGTTATCCAGCTATCCACAAATGATGGAGAGTGTGTGACTGTCAAACCTGGAA  
CACCTCTCTGCTTGTCCACCTACAATGACCACCACTTCAACTGTACCTGCAAGTACAGCCACTGAATC  
TACAACTCAACAGCTACAGCTGCCACCACTTCCACAGAACCTATAACTGTTGCACCTACCGATCATTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC220689 representing NM\_173629  
**Red=Cloning site Green=Tags(s)**

MVADIKGNEQIEKYSWREACDTGSSRMDRKHGKYILNVEHSENQPPITHPNQEAHSSICWCLPSNDITS  
DVSPNL TGVCVNP GILAHSRCLQSESCNTQVKEYCRNDWSMVKVFLACLLACVIMTAIGVLIICLVNNKG  
SANSSIVIQLSTNDGECVTVKPGTSPACPPMTTSTVPASTATESTTSTATAATTSTEPITVAPTDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

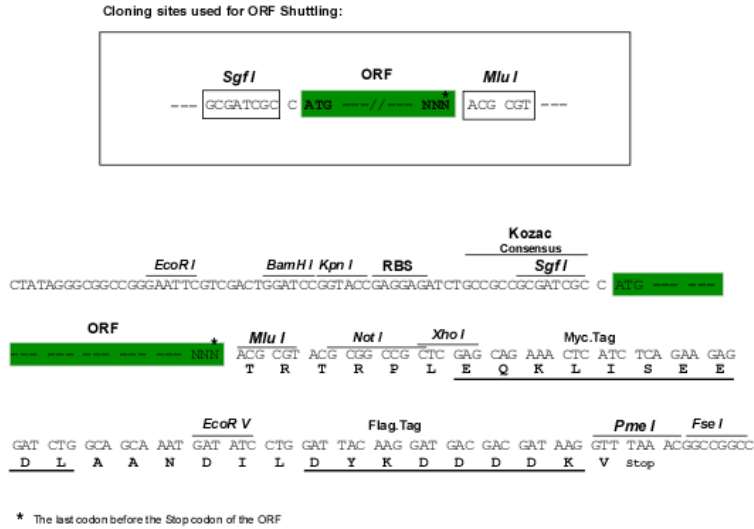
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8013\\_a08.zip](https://cdn.origene.com/chromatograms/mk8013_a08.zip)



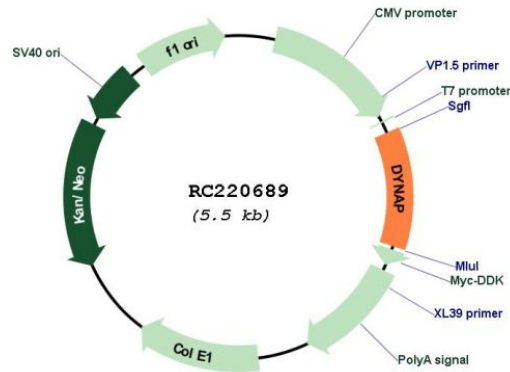
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



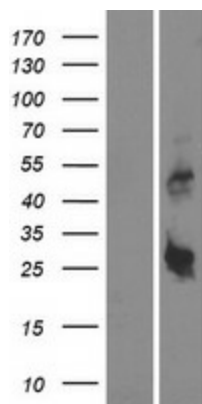
ACCN: NM\_173629

ORF Size: 630 bp

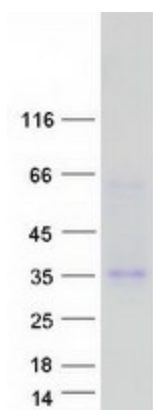
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

<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_173629.2, NP_775900.1</u>
<b>RefSeq Size:</b>	2027 bp
<b>RefSeq ORF:</b>	555 bp
<b>Locus ID:</b>	284254
<b>UniProt ID:</b>	<u>Q8N1N2</u>
<b>Cytogenetics:</b>	18q21.2
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	22.3 kDa
<b>Gene Summary:</b>	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]

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY406518]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220689 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DYNAP protein (Cat# [TP320689]). The protein was produced from HEK293T cells transfected with DYNAP cDNA clone (Cat# RC220689) using MegaTran 2.0 (Cat# [TT210002]).