

## Product datasheet for **RG227668**

### NECAP2 (NM\_001145278) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NECAP2 (NM\_001145278) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** NECAP2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG227668 representing NM\_001145278  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGAGCGGGGCTGCGGAGTGGCAGCTGGACCAGCCATCATGGAGTGGCCGGCTGAGGATCACTG  
CAAAGGGACAGATGGCCTACATCAAGCTGGAGGACAGGACGTGAGGGGAGCTCTTTGCTCAGGCCCGGT  
GGATCAGTTTCTGGCACAGCTGTGGAGAGTGTGACGGATTCCAGCAGGTAATTCGTCGATCCGCATCGAA  
GATGGAAATGGGCGACGGCGTATTATTGGAATTGGCTTCGGGGACCGAGGTGATGCCTTTGACTTCAATG  
TTGCATTGCAGGACCATTTCAAGTGGTGAAACAGCAGTGTGAATTTGAAAACAAGCCCAAGCCAGA  
CCAAGGCCCTAAACTGGACCTGGGCTTCAAGGAGGGCCAGACCATCAAGCTCAACATCGCAAACATGAAG  
AAGAAGGAAGGAGCAGCTGGGAATCCCCGAGTCCGGCCTGCCAGCACAGGAGGGCTGAGCCTGCTTCCCC  
CTCCCCAGGGGGAAAACCTCCACCCTGATCCCTCCCCCTGGGAGCAGTTGGCTGTGGGGGGATCCCT  
CGTCCAGCCAGCAGTTGCTCCCAGTTCAGGAGGTGCTCCTGTACCCTGGCCACAGCCCAATCCTGCCACT  
GCTGACATCTGGGAGACTTTACCAAATCTACAGGATCAACTTCAGCCAGACCCAGCCAGGCACAGGCT  
GGTCCAGTTC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:** >RG227668 representing NM\_001145278  
**Red=Cloning site Green=Tags(s)**

MEESGAAEWQLDQPSWSGRLRITAKGQMAYIKLEDRTSGELFAQAPVDQFPGTAVESVTDSSRYFVIRIE  
DNGRRAFIGIGFDRGDAFDNFVALQDHFKWKQCEFAKQAQNPDPKLDLGFKEGQTIKLNIANMK  
KKEGAAGNPRVRPASTGGLSLLPPPPGGKSTLIPPPGEQLAVGGSLVQPAVAPSSGGAPVWPQPNPAT  
ADIWGFDTKSTGTSSTQTPGTGWVQF

**TRTRPLE - GFP Tag - V**





<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_001145278.1, NP_001138750.1</u>
<b>RefSeq Size:</b>	2014 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	55707
<b>UniProt ID:</b>	<u>Q9NVZ3</u>
<b>Cytogenetics:</b>	1p36.13
<b>Gene Summary:</b>	This gene likely encodes a member of the adaptin-ear-binding coat-associated protein family. Studies of a similar protein in rat suggest a role in clathrin-mediated endocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]