

## Product datasheet for **RG204169**

### **DRAK2 (STK17B) (NM\_004226) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DRAK2 (STK17B) (NM_004226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK17B
Synonyms:	DRAK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204169 representing NM_004226 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGAGGAGAGATTTGATTGCCGAAGTATTTAGGCCTACTAACTACAACCTCTCAAATTCGAATA  
AAATGGAAACTTTAATAATTTCTATATACTTACATCTAAAGAGCTAGGGAGAGGTAAATTTGCTGTGGT  
TAGACAATGTATATCAAATCTACTGGCCAAGAATATGCTGCAAATTTCTAAAAAGAGAAGAAGAGGA  
CAGGATTGTCGGCAGAAATTTACACGAGATTGCTGTGCTTGAATTGGCAAAGTCTTGCCCCGTGTTA  
TTAATCTTCATGAGGTCTATGAAAATACAAGTGAATCATTTTGATATTGGAATATGCTGCAGGTGGAGA  
AATTTTCAGCCTGTGTTACCTGAGTTGGCTGAAATGGTTTCTGAAAATGATGTTATCAGACTCATTAAA  
CAAATACTTGAAGGAGTTTATTATCTACATCAGAATAACATTGTACACCTTGATTTAAAGCCACAGAATA  
TATTACTGAGCAGCATATACCCTCTCGGGGACATTAATAAGTAGATTTTGGAAATGTCTCGAAAAATAGG  
GCATGCGTGTGAACCTCGGGAATCATGGGAACACCAGAATATTTAGCTCCAGAAATCCTGAACTATGAT  
CCCATTACCACAGCAACAGATATGTGGAATATTGGTATAATAGCATATATGTTGTTAACTCACACATCAC  
CATTTGTGGGAGAAGATAATCAAGAAACATACCTCAATATCTCTCAAGTTAATGTAGATTATTCGGAAGA  
AACTTTTTATCAGTTTCACAGCTGGCCACAGACTTTATTCAGAGCCTTTTAGTAAAAATCCAGAGAAA  
AGACCAACAGCAGAGATATGCCTTCTCATTCTTGCTACAGCAGTGGACTTTGAAAACCTGTTTCACC  
CTGAAGAAACTTCCAGTTCCCTCTCAAACCTCAGGATCATTCTGTAAGGTCCTCTGAAGACAAGACTTCTAA  
ATCCTCTGTAATGGAACCTGTGGTGATAGAGAAGACAAAGAGAATATCCAGAGGATAGCAGCATGGTT  
TCCAAAAGATTTGTTTTGATGACTCATTACCAATCCCCATGAACCTGTTTCAGATTTGCTCTGT

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204169 representing NM\_004226  
 Red=Cloning site Green=Tags(s)

MSRRRFDCRSISGLLTTTPQIPIKMENFNNFYILTskELGRGKFVVRQCISKSTGQEYAAFLKKRRRG  
 QDCRAEILHEIAVLELAKSCPVRVNLHEVYENTSEIILILEYAAGGEIFSLCLPELAEMVSENDVIRLIK  
 QILEGVYVLHQNNIVHLDLKPQNILLSSIYPLGDIKIVDFGMSRKIGHACELREIMGTPEYLAPEILNYD  
 PITTATDMWNIGIIAYMLLTHTSPFVGEDNQETYLNISQVNVDYSEETFSSVSQLATDFIQSLLVKNPEK  
 RPTAEICLSHSLWQQWDFENLFHPEETSSSSQTQDHSVRSSSEDKTSKSSCNGTCGDREDKENIPEDSSMV  
 SKRFRFDDSLPNPHELVSDLLC

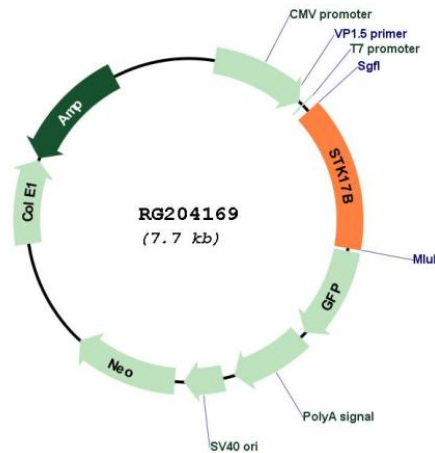
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_004226

<b>ORF Size:</b>	1116 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_004226.2</a> , <a href="#">NP_004217.1</a>
<b>RefSeq Size:</b>	1707 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	9262
<b>UniProt ID:</b>	<a href="#">O94768</a>
<b>Cytogenetics:</b>	2q32.3
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	Phosphorylates myosin light chains (By similarity). Acts as a positive regulator of apoptosis. [UniProtKB/Swiss-Prot Function]