

Product datasheet for **RG208265**

DRAK1 (STK17A) (NM_004760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRAK1 (STK17A) (NM_004760) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DRAK1
Synonyms:	DRAK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208265 representing NM_004760 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCCTTTGGAGAAGCCAGGCAGGCGGGCTCCTCCCAGGCGCCACCTCAGGCTCGGGCCGGGCAG
GCCGGGTCTGAGCGGGCGTCCCGCCCGCCCGCCAGGCCCGGGCTGCTGACAGAGATACG
CGCGTGGTGCACCGAGCCCTCCAGGACGGCTACAGCCTGTCCCGGGCCGGGAGCTGGGCAGGGG
AAATTTGCAGTGGTGAGAAAATGTATAAGAAAGATTCTGGAAAGAATTTGCTGCAAAGTTCATGAGAA
AAGAAGAAAAGCCAAGATTGTCGGATGGAAATAATTCATGAGATTGCTGTACTTGAAGTACACAAGA
CAATCCTTGGGTCAATTAATTTACATGAAGTTTATGAGACTGCATCAGAAATGATCTTAGTTCTGGAATAT
GCTGCTGGGGTGAAATCCTTTGACCAGTGTGTTGCAGACAGAGAAGAAGCCTTTAAAGAAAAAGATGTT
AAAGACTTATGCGACAGATTTTAGAAGGTGTTCACTTTTTACACACTCGTGATGTAGTTCATCTTGATTT
GAAGCCTCAGAATATTCTGTTGACAAGTGAATCTCCATTGGGTGACATTAAGATTGTTGATTTGGCCTT
TCAAGAATATTGAAGAACAGTGAAGAGCTCCGAGAAATATGGGTACCCCTGAATATGTGGCTCCTGAAA
TTCTTAGTTATGATCCTATAAGCATGGCAACAGATATGTGGAGCATTGGAGTGTAAACATATGTCATGCT
TACAGGAATATCACCTTTCTTAGGCAATGATAACAAGAAACATTCTTAAACATCTCACAGATGAATTTA
AGTTATTCTGAGGAAGAATTTGATGTTTTGCTGAGTGGCTGTTGATTTATCAGGACACTTTTAGTTA
AGAAACCTGAAGATCGAGCCACTGCTGAAGAATGTCTAAAGCACCCCTGGTTGACACAGAGCAGTATTCA
AGAGCCTTCTTTAGGATGGAAAAGGCACTAGAAGAAGCAAATGCCCTCCAAGAAGGTCATTCTGTGCCT
GAAATTAATTCGGATACCGACAAATCAGAAACCGAGGAATCCATTGTAACCGAAGAGTTAATTTAGTGA
CTTCATACTCTAGGACAATGCAGACAGTCTGAAAAAGAGAAAATGGAGCAAAGGCCATTTCCAAACG
ATTTAAATTTGAGGAACCTTTGCTACAAGAAATTCAGGAGAATTTATCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208265 representing NM_004760
 Red=Cloning site Green=Tags(s)

MIPLEKPGSGSSPGATSGSGRAGRGLSGPCRPPPPQARGLLTEIRAVVRTEPFQDGYSLCPGRELGRG
 KFAVVRKCIKKDSGKEFAAKFMRKRRKGQDCRMEIIEIAVLELAQDNPWVINLHEVYETASEMILVLEY
 AAGGEIFDQCVDREEAFKEKDVQRLMRQILEGVHFLHTRDVVHLDLKPQNILLTSESPLGDIKIVDFGL
 SRILKNEELREIMGTPEYVAPEILSYDPI SMATDMWSIGVLTYVMLTGISPFLGNDKQETFLNISQMNL
 SYSEEEFDVLSESA VDFIRTL LVKKPEDRATAEECLKHPWLTQSSI QEP SFRMEKALEEANALQEGHSVP
 EINSDDTKSETESIVTEELIVVTSYTLGQCRQSEKEKMEQKAI SKRFKFEPELLQEIPGEFIY

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2264_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004760

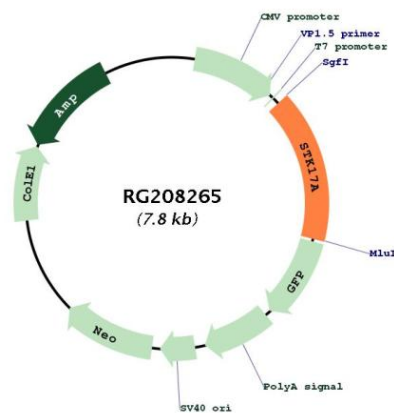
ORF Size: 1242 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_004760.1 , NP_004751.1
RefSeq Size:	2641 bp
RefSeq ORF:	1245 bp
Locus ID:	9263
UniProt ID:	Q9UEE5
Cytogenetics:	7p13
Domains:	ppkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	This gene is a member of the DAP kinase-related apoptosis-inducing protein kinase family and encodes an autophosphorylated nuclear protein with a protein kinase domain. The protein has apoptosis-inducing activity. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208265