

Product datasheet for **RG205770**

DEPTOR (NM_022783) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEPTOR (NM_022783) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DEPTOR
Synonyms:	DEP.6; DEPDC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205770 representing NM_022783 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGGCGGCAGCACTGGCAGTGTGGCAGTGACAGCAGCACCAGCGGGAGTGGCGGGCGCAGC
AAAGGGAGCTGGAGCGCATGGCTGAGGTCTTGGTCACCGGGAACAGCTACGGCTCAGGCTGCATGAAGA
AAAGGTTATTAAGATAGACGTCATCATCTCAAGACCTACCCAACTGTTTTGTCGAAAAGAAGTATT
GACTGGCTGATTGAACACAAAGAGGCTTCTGACAGAGAGACGGCAATTAAGTCAATGCAGAAATTAGCAG
ACCGGGGCATTATCACCATGTGTGTGATGAGCATAAGGAATTCAGGATGTCAAATCTTCTACCGCTT
TAGAAAGGATGACGGCACCTCCATTGGATAATGAAGTGAAGGCCTTTATGAGAGGACAGAGGCTATAT
GAAAAGCTGATGAGCCCTGAAAACACACTCCTGCAGCCAGGGAGGAGGAAGGGTCAAGTATGAGCGCA
CCTTCATGGCATCTGAATTCCTGGACTGGCTGGTTCAGGAAGGTGAGGCCACCACGAGGAAAGAGGCAGA
GCAGCTTTGCCACCGCTTATGGAGCATGGCATCATCCAGCATGTGTCCAGCAAGCACCCATTTGTGGAC
AGCAATCTTCTACAGTTCAGAATGAACTCCGGCGGAGGCGAAGACTGATGGAGTGTCAATGAAA
AGTCCCTCCTCCAGGAACTCATGACAGTCCCTTCTGCTGAGGAAGCAGAGCCATGACAATCGGAA
ATCTACCAGCTTATGTCAAGTGAAGGAGTCAAGATCGTGTCTGCAGTGAAGGAGGAGGAGGAGGAGG
ATGAGCAGTGTGGCAGCAGCGGCTACTTCAGCAGCAGCCACCCTCAGCAGCAGCCCTGTGCTCT
GCAACCCCAAGTCCGTGCTGAAGAGACCTGTACCTCTGAGGAATCCTTACTCCCGGGGCTCCGTATGC
AAGGAAGACATTCACGATTGTTGGTGACCGGTTGGCTGGGGTTTTGTGGTGCAGGAAAGTAAAGCCATGC
CACATCCAGGCTGTAGACCCAGTGGCCCTGCAGCCGAGCAGGAATGAAGGTCTGTCAAGTTGTGCTCT
CTGTCAACGGGCTCAATGTCTGATGTAGACTACCGACCGTGAGCAATCTGATTCTGACGGGCCACG
GACGATTGCATGGAAGTCATGGAGGAGTTAGAGTGC

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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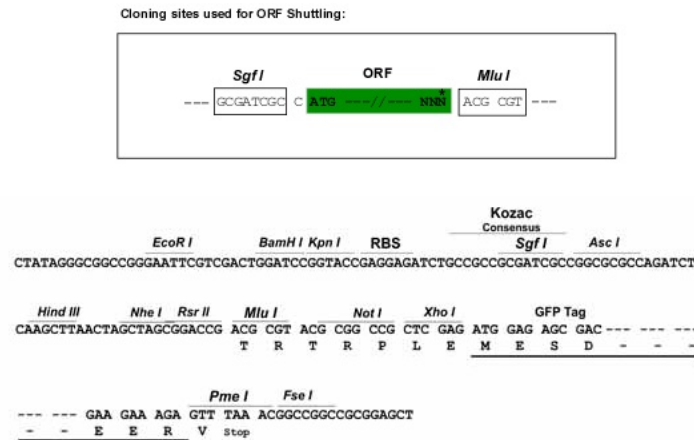
Protein Sequence: >RG205770 representing NM_022783
 Red=Cloning site Green=Tags(s)

MEEGGSTGSAGSDSSTSGSGGAQQRELERMAEVLVTGEQLRLRLHEEKVIKDRRHHLKTYPNCFVAKELI
 DWLIEHKEASDRETAIKLMQKLADRGIIHHVCDHEHKEFKDVKLFYRFRKDDGTFPLDNEVKAFMRGQRLY
 EKLMSPELTLQPREEEGVKYERTFMASEFLDWLVQEGEATTRKEAEQLCHRLMEHGIIQHVSSKHFPVD
 SNLLYQFRMNFRRRRRLMELLNEKSPSSQETHDSPFCLRKQSHDNRKSTFSMVSVPSPKEIKIVSAVRRSS
 MSSCGSSGYFSSSPTLSSSPPVLCNPKSVLKRPTSEELLTPGAPYARKTFITIVGDAVWGWFVVRGSKPC
 HIQAVDPSGPAAGMKVCQFVVSVNGLNVLHVDYRTVSNLILTGPRTIVMEVMEELE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022783

ORF Size: 1227 bp

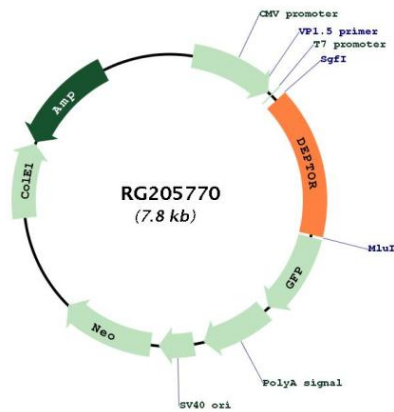
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<u>NM_022783.1, NP_073620.1</u>
RefSeq Size:	2187 bp
RefSeq ORF:	1230 bp
Locus ID:	64798
UniProt ID:	<u>Q8TB45</u>
Cytogenetics:	8q24.12
Domains:	DEP, PDZ
Gene Summary:	Negative regulator of the mTORC1 and mTORC2 signaling pathways. Inhibits the kinase activity of both complexes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205770