

Product datasheet for SC112427

DEPTOR (NM_022783) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEPTOR (NM_022783) Human Untagged Clone
Tag:	Tag Free
Symbol:	DEPTOR
Synonyms:	DEP.6; DEPDC6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112427 sequence for NM_022783 edited (data generated by NextGen Sequencing)

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ATGGAGGAGGGCGCAGCACTGGCAGTGTGCGCAGTGACAGCAGCACCAGCGGGAGTGCC
GGGGCGCAGCAAAGGGAGCTGGAGCGCATGGCTGAGGTCTTGGTACCGGGAACAGCTA
CGGCTCAGGCTGCATGAAGAAAAGTTATTAAGATAGACGTCATCATCTCAAGACCTAC
CCAAACTGTTTTGTCGAAAAGAACTGATTGACTGGCTGATTGAACACAAAGAGGCTTCT
GACAGAGAGACGGCAATTAAGTCACTGCAGAAATTAGCAGACCGGGCATTATTCACCAT
GTGTGTGATGAGCATAAGGAATCAAGGATGTCAAACCTTCTACCGCTTAGAAAGGAT
GACGGCACCTTCCCATTGGATAATGAAGTGAAGGCCTTTATGAGAGGACAGAGGCTATAT
GAAAAGCTGATGAGCCCTGAAAACACACTCCTGCAGCCAGGGAGGAGGAAGGGTCAAG
TATGAGCGCACCTTCATGGCATCTGAATTCCTGGACTGGCTGGTTCAGGAAGGTGAGGCC
ACCACGAGGAAAGAGGCAGAGCAGCTTTGCCACCGGCTTATGGAGCATGGCATCATCCAG
CATGTGTCCAGCAAGCACCCATTTGTGGACAGCAATCTTCTCTACCAGTTCAGAATGAAC
TTCCGGCGGAGGGCGAAGACTGATGGAGCTGCTCAATGAAAAGTCCCCCTCTCCAGGAA
ACTCATGACAGTCCCTTCTGCCTGAGGAAGCAGAGCCATGACAATCGGAAATCTACCAGC
TTTATGTCAGTGAGCCCCAGCAAGGAGATCAAGATCGTGTCTGCAGTGAGGAGAAGCAGC
ATGAGCAGCTGTGGCAGCAGCGGCTACTTCAGCAGCAGCCCCACCCTCAGCAGCAGCCCC
CCTGTGCTCTGCAACCCCAAGTCCGTGCTGAAGAGACCTGTCACCTCTGAGGAATCCTT
ACTCCCGGGGCTCCGTATGCAAGGAAGACATTACGATTGTTGGTGACCGGTTGGCTGG
GGTTTTGTGGTGCAGGAAGTAAGCCATGCCACATCCAGGCTGTAGACCCCAAGTGCCCT
GCAGCCGAGCAGGAATGAAGGTCTGTCAAGTTTGTGCTCTGTCAACGGGCTCAATGTC
CTGCATGTAGACTACCGGACCGTGAACAATCTGATTCTGACGGGCCACGGACGATTGTC
ATGGAAGTCATGGAGGAGTTAGAGTGCTGA

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Clone variation with respect to NM_022783.2
135 c=>t;611 a=>g;1166 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022783 unedited
 NGCGTCANGATTAGTAAACGACTCATATAGGGCGGCCGGAATTCGCACCAGGCCAATCC
 AGTCAGAGCAGCGGAGCTGCCCGAAAAANTGGCGCGGAAGCGTCTGTGAGGGCAGACT
 GATCCGAGCACCCAAACCCTCGGCGGACAGCGGAGCCAGTGGTAGCCGCACGGCCCTAAA
 ACCATGGAGGAGGGCGGCAGCACTGGCAGTGTGGCAGTGACAGCAGCACCAGCGGGAGT
 GGCGGGGCGCAGCAAAGGGAGCTGGAGCGCATGGCTGAGGTCTTGGTCACCGGGGAACAG
 CTACGGCTCAGGCTGCATGAAGAAAAGTTATTAAGATAGACGTCATCATCTCAAGACC
 TACCCAAACTGTTTTGTGCAAAAAGAAGTATTGACTGGCTGATTGAACACAAAGAGGCT
 TCTGACAGAGAGACGGCAATTAACCTCATGCAGAAATTAGCAGACCGGGGCATTATTAC
 CATGTGTGTGATGAGCATAAGGAATTCAGGATGTCAAACCTTTCTACCGCTTTAGAAAAG
 GATGACGGCACCTTCCCATTGGATAATGAAGTGAAGGCCTTTATGAGAGGACAGAGGCTA
 TATGAAAAGCTGATGAGCCCTGAAAACACACTCCTGCAGCCAGGNAGGGAGAAGNGTC
 AAGTATGAGCGCACCTTCATGGCATCTGAATTCCTGGACTGGCTGGTTCANGAAAGTGAG
 GCCACCACGAGGAAAAGAGCAGAGCAGCTTTTGCACGGCTTATGGAGCATGGCATCATCC
 AGCATGTGTCCAGCAAGCACCCATTTGTGGACAGCAATCTTCTCTACCAGTTCAGATGA
 ACTTCCGNNNCGAGCGAANACTGATGGAGCTGCTCAATGAAAAGTCCCCTCCCCTCCAG
 AAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022783 unedited
 GACTACTTATGGTCCGCGCCGCTCTANGATCAGTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTCTGGCCAAAGGGGGTTTTTAAATTATGGGTTT
 AACCAAACCTTTTTTTTAACTTTCAACATTTTCGGGATTATTTCTAAAAAAGCCTTT
 GCCTGTTTTATAAAACAATGGTTTTAGGTCCAAAAAAAATGGGGGCCCCATTTTTCG
 GGGGGCCCCCCCCAACTCCCCCAACCATAGCTTCCCAGGGTTTTTTTTTTCCCTAAGG
 CCCCATTTGGAACCCGGTTAACCTTAAAGTGGCCCTAAGGGCGGGATTTAAAAAGCCT
 TTTTTTTGGGCTTTAAACCCCTTGAAGGCTTTAAACCCCTTAAAAATGCTAGGGAACA
 GGTCTAATCCCTTAAAAGGGGGCTTGGATTGGAACCTGGGGAAAACCAATTTCCCTATA
 AAAAACCGCGGGCTATTTTGGGAAAAGCCATTTTAAACCTTTACCACCTCCTCTTT
 GGCCCTGAAAAAGGGGACTTTACCTTGCCGCTGTTGGCCTAAAAACCTTTTAAACCC
 CTTTTTGAACCTAAGATAAAAAACCATGGATGGAACCTCCAATTGGAATCTGGTAGGG
 CAGTCTTTTCAGGTAGGAAAAGGGTTTCCAATTGTTTTCTACCCGGACTTTTTTTAAAA
 AAAATATGATCCCGGTTCTCTCCCTTTTCGGGGTTTTAAAAACCACTTCAAACATGTAT
 GGGCGGAAAAACACCCGTTGGCCAAAACCTTCTTTGGCTGGAAAACCTTGGCTTTGCA
 TGGCTTGGGGCATTTTGGCCTTCCCCACCCCGGCCCTTGGGGGGT

Restriction Sites:

NotI-NotI

ACCN:

NM_022783

Insert Size:

2350 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](#)

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:

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_022783.1](#), [NP_073620.1](#)

RefSeq Size: 2187 bp

RefSeq ORF: 1230 bp

Locus ID: 64798

UniProt ID: [Q8TB45](#)

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]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.