

## Product datasheet for MC212029

### Deptor (NM\_001037937) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Deptor (NM_001037937) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Deptor
Synonyms:	Depdc6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC212029 representing NM_001037937 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAACAAGCCTTCTGGTGGTTCTCAGGCATTCTATCTCTGAGGATCGACTTCCTCCTCTGAGTGTA  
TAACCTCAGGCTGCAGGCTGCGGCTCCATGAAGAAAAGGTTATTAAGATAGACGGCACCATCTCAAAC  
CTACCCAAACTGCTTTGTTGCAAAAGAGCTGATTGACTGGCTCATTGAACATAAGGAGGCCTCTGACCGA  
GAGACGGCGATAAACTCATGCAGAAATTAGCCGACCGGGGCATCATTATCACGTGTGTGATGAGCACA  
AGGAATCAAGGATGATAAACTTCTACCGCTTAGGAAGGATGATGGGACCTTTGCACTGGACAGTGA  
GGTGAAGGCCCTCATGAGAGGACAGAGGCTCTATGAAAACTGATGAGCCCTGAAACTACACTCCTCCAG  
CCTAGAGAGGAGGAGGGGTGAAGTATGAGCGGACCTTCATGGCATCCGAATTCCTGGACTGGTTGGTTC  
AGGAAGGTGAAGCCACAACAAGGAAAGAGGCAGAGCAGCTTGGCCACCGGCTTATGGACCATGGGATCAT  
CCAGCATGTGTCTAACAAGCACCCGTTTGTGGACAGCAACCTCCTCTACCAGTTCAGAATGAACTCCGT  
CGGAGGCGGAGGCTGATGGAGCTGCTCAATGAGACGTCCCCGTCCTCTCAGGAGACGCATGACAGTCCCT  
TCTGTCTGAGGAAGCAGAGCCACGACAGTCGGAATCTACCAGCTTATGTCAGTCAGCCCCAGCAAGGA  
GATCAAGATCGTGTCTGCCGTGCGGAGGAGCAGCATGAGCAGCTGCGGCAGCAGTGGCTACTTCAGCAGC  
AGCCCCACACTCAGCAGCAGCCCCCTGTGCTCTGCAACCCCAAATCTGTGCTGAAGAGACCTGTCACTT  
CTGAGGAACTCTTGACTCCGGGGCTCCGTACGCAAGGAAGACATTCACGATTGTTGGTGACGCAGTTGG  
CTGGGGCTTTGTGGTACGAGGAAGTAAACCATGCCACATCCAGGCTGTGGACCCAGTGGACCTGCAGCC  
GCTGCAGGGATGAAGGTCTGTCACTTGTCTGTCAATGGCCTCAACGTGCTGAATGTAGACTACC  
GCACCGTGAGCAATCTGATTCTGACAGGCCAAGGACAATTGTCATGGAAGTCATGGAGGAGTTGGACTG  
CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001037937
<b>Insert Size:</b>	1194 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_001037937.3</a> , <a href="#">NP_001033026.1</a>
<b>RefSeq Size:</b>	8371 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	97998
<b>UniProt ID:</b>	<a href="#">Q570Y9</a>
<b>Cytogenetics:</b>	15 21.96 cM
<b>Gene Summary:</b>	<p>Negative regulator of the mTORC1 and mTORC2 signaling pathways. Inhibits the kinase activity of both complexes (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate 5'-terminal exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a. 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.</p>