

Product datasheet for **MC229182**

Cask (NM_001284503) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cask (NM_001284503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cask
Synonyms:	DXPri1; DXRib1; LIN-2; mLin-2; Pals3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>MC229182 representing NM_001284503

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGACGACGACGTGCTGTTTCGAGGATGTGTACGAGCTATGCGAGGTGATCGGCAAGGTTCCCTTCA
GTGTTGTACGGCGATGTATCAACAGAGAACTGGGCAACAATTTGCTGTAAAAATTGTTGATGTAGCCAA
GTTACATCAAGTCCAGGTTAAGTACAGAAGATCTAAAGCGGGAAGCCAGTATCTGTATATGCTGAAG
CATCCACACATTGTAGAGCTGTTGGAGACATATAGCTCAGATGGGATGCTTTACATGGTTTTTGAATTTA
TGGATGGAGCAGATCTGTGTTTTGAAATCGTAAAGCGAGCTGATGCTGGTTTTGTATACAGTGAAGCTGT
AGCCAGCCACTACATGAGACAGATACTGGAAGCTCTGCGCTACTGTCATGATAATAACATAAATTCACAGG
GACGTGAAGCCCACTGTGTTCTCCTTGCCTCAAAGAAAACCTCGGCACCTGTTAACTTGGGGGCTTTG
GGGTGGCCATTCAAGTAGGAGAATCTGGACTTGTGCTGGAGGCCGCTTGAACACCTCACTTTATGGC
CCCAGAAGTGGTCAAGAGAGAGCCTTACGGAAAGCCTGTGGATGTCTGGGCTGTGGTGTATCCTTTTC
ATCCTGCTCAGTGGCTGTTTGCCTTTCTACGGAACCAAGGAAAGATTGTTTGAAGGCATTATTAAGGAA
AATATAAGATGAATCCAAGGCAGTGGAGCCATATCTCTGAAAGTGCCAAAGACCTAGTACGCCGATGCT
GATGCTGGATCCTGCTGAAAGGATCACTGTTTATGAAGCACTGAATCACCATGGCTTAAGGAGCGGGAT
CGTTATGCCTACAAAATCCATCTTCCAGAAACAGTAGAACAACCTGAGGAAATTCATGCAAGGAGAAAAC
TAAAGGTGACGACTAGCTGCTGTGTCAAGTCAAAAATCAATTCCTTCTATGGGGACCTCCTGAAGA
GTTGCCAGATTTCTCCGAAGACCTACCTCCTCAGGACTTCTAGCAGCAGAAAGACCGTCTCTCAGGTG
CTGGACAGCCTGGAAGAGATTACGCACCTTACAGACTGCAGTAAAAGGACCTAGATTTTCTACACAGT
TTTTCCAGGATCAACATCTTACACACTGCTGGATCTGTATGACAAAATTAACACAAAATCTTCGCCACA
AATCAGGAATCCTCAAGTGATGCAGTACAGAGAGCCTAAAGAGGATTGGAAGAAAATTCATGTTACCCT
GAGAATAATGATGCGAAGGAACTAAAGCGTATTTTAAACACAACCTCATTTTATGGCCTTACTTCAGACTC
ATGATGTAGTGGCACATGAAGTTTACAGTGTGAAGCATTAAAGGTACACCTCCCCGACTTCCCCCTA
TTAAACGGTGATTCTCCAGAAAGTGCAACCGGAGACATGGACATGGAGAATGTGACCAGAGTTCGGCTG
GTACAGTTCAAAAGAACACGGATGAGCCAATGGGAATCACTTTGAAAATGAATGAGCTAAATCATTGTA
TTGTGCGAAGAATCATGCATGGGGTATGATTCACAGGCAAGGTACACTTATGTTGGTGTGAAATCCG
AGAAATCAATGGCATCAGTGTGCTAACCAACAGTGGAAACAGCTACAGAAAATGCTTAGGGAAATGCGA
GGGAGTATTACCTTCAAGATTGTCCAAGCTACCGCACTCAGTCTTCGCTCCTGTGAGAGAGATCCCCCT
CCACTTCCAGACAGTCCCCTGCTAATGGTCATAGCAGCACTAACAATTCTGTTTCGGACTTGCCATCAAC
CACCCAACAAAAGGACGACAGATCTATGTAAGAGCACAATTTGAATATGATCCAGCCAAGGATGACCTC
ATCCCCTGCAAAGAAGCTGGCATCCGGTCCGAGTTGGTGACATCATCCAGATTATTAGTAAGGATGACC
ACAACCTGGTGGCAGGTTAACTGGAAAACCTCAAAAATGGAACCTGAGGTTCTCATTCTCTCCTGAACT
TCAGGAATGGCGAGTAGCTTGCATTGCCATGGAGAAGACCAACAAGAGCAGCAGGCCAGCTGACTTGG
TTTGGCAAGAAAAAGAAGCAGTACAAAGATAAATATTTGGCAAAGCACAACGCAGTGTGTTGATCAATTAG
ATCTTGTACATATGAAGAAGTAGTCAAACCTGCCAGCATTCAAAGGAAAAACATTAGTCTTATTAGGTGC
ACATGGTGTGGAAGAAGACACATAAAAAATACCCTCATCACAAGCACCCGGACCGGTTTGCCTACCCT
ATTCCACATACAACCAGACCTCCAAGAAAAGATGAAGAAAATGGCAAGAATTATTACTTTGTATCTCATG
ACCAAATGATGCAAGACATCTCAAATAACGAATACTTGGAGTATGGCAGCCATGAGGATGCAATGTACGG
GACAAAACCTGGAGACCTTCGAAAAATCCATGAGCAGGGGCTGATTGCGATTCTGGACGTGGAGCCTCAG
GCACTGAAGGTCCTGAGGACTGCAGAGTTTGTCTTTTGTGCTTCTTATTGCGGCGCAACTATCACTC
CAGGTTTTAAATGAGGATGAATCTCTTACGCGCCTGCAGAAGGAGTCCGATGTCTTGCAGAGAACATATGC
ACACTACTTCGATCTACAATTATCAACAACGAAATTGATGAGACAATCAGACATCTGGAAGAAGCTGTC
GAGCTTGTGTGCACAGCCCCACAGTGGTCCCAGTCTCCTGGTCTATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001284503
Insert Size:	2781 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001284503.1</u> , <u>NP_001271432.1</u>
RefSeq Size:	8376 bp
RefSeq ORF:	2781 bp
Locus ID:	12361
UniProt ID:	<u>O70589</u>
Cytogenetics:	X 8.43 cM
Gene Summary:	<p>Multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. Contributes to neural development and regulation of gene expression via interaction with the transcription factor TBR1. Binds to cell-surface proteins, including amyloid precursor protein, neurexins, and syndecans. May mediate a link between the extracellular matrix and the actin cytoskeleton via its interaction with syndecan and with the actin/spectrin-binding protein 4.1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (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.</p>