

Product datasheet for **MC222458**

Cask (NM_009806) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cask (NM_009806) 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



[View online »](#)

Fully Sequenced ORF: >MC222458 representing NM_009806
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACGACGACGTGCTGTTTCGAGGATGTGTACGAGCTATGCGAGGTGATCGGCAAGGTTCCCTTCA
 GTGTTGTACGGCGATGTATCAACAGAGAACTGGGCAACAATTTGCTGTAAAAATTTGTTGATGTAGCCAA
 GTTCACATCAAGTCCAGGTTAAGTACAGAAGATCTAAAGCGGGAAGCCAGTATCTGTATATGCTGAAG
 CATCCACACATTGTAGAGCTGTTGGAGACATATAGCTCAGATGGGATGCTTTACATGGTTTTTGAATTTA
 TGGATGGAGCAGATCTGTGTTTTGAAATCGTAAAGCGAGCTGATGCTGGTTTTGTATACAGTGAAGCTGT
 AGCCAGCCACTACATGAGACAGATACTGGAAGCTCTGCGCTACTGTCATGATAATAACATAATTCACAGG
 GACGTGAAGCCCCACTGTGTTCTCCTTGCCTCAAAGAAAACCTCGGCACCTGTTAACTTGGGGCTTTG
 GGGTGGCCATTAGTCTAGGAGAATCTGGACTTGTGCTGGAGGCCGCTTGAACACCTCACTTTATGGC
 CCCAGAAGTGGTCAAGAGAGAGCCTTACGGAAGCCTGTGGATGTCTGGGCTGTGGTGTATCCTTTTC
 ATCCTGCTCAGTGGCTGTTTGCCTTTCTACGGAACCAAGGAAAGATTGTTTGAAGGCATTATTAAGGAA
 AATATAAGATGAATCCAAGGCAGTGGAGCCATATCTCTGAAAGTGCCAAAGACCTAGTACGCCGATGCT
 GATGCTGGATCCTGCTGAAAGGATCACTGTTTATGAAGCACTGAATCACCCATGGCTTAAGGAGCGGGAT
 CGTTATGCCTACAAAATCCATCTTCCAGAAACAGTAGAACAACCTGAGGAAATTCATGCAAGGAGAAAAAC
 TAAAGGTGCAGTACTAGCTGCTGTGTCAAGTCAAAAATCAATTCCTTCTATGGGGACCTCCTGAAGA
 GTTGCCAGATTTCTCCGAAGACCCTACCTCCTCAGGAGCCGCTCTCAGGTGCTGGACAGCCTGGAAGAG
 ATTCACGCACTTACAGACTGCAGTGAAGAGCCTAGATTTTCTACACAGTGTTCAGGATCAACAT
 TTCACACTGCTGGATCTGTATGACAAAATTAACACAAAAGCTTCGCCACAAATCAGGAATCCTCCAAG
 TGATGCAGTACAGAGAGCCAAAGAGGTATTGGAAGAAATTTTCATGTTACCCTGAGAATAATGATGCGAAG
 GAACTAAAGCGTATTTTAAACACAACCTCATTTCATGGCCTTACTTCAGACTCATGATGTAGTGGCAGATG
 AAGTTTACAGTGTGAAGCATTAAAGGTCACACCTCCCCGACTTCCCCCTATTTAAACGGTGATTTCTCC
 AGAAAAGTCAAACGGAGACATGGACATGGAGAATGTGACCAGAGTTCGGCTGGTACAGTTCAAAAAGAAC
 ACGGATGAGCCAATGGGAATCACTTTGAAAATGAATGAGCTAAATCATTGTATTGTGCGAAGAAATCATGC
 ATGGGGGTATGATTCACAGGCAAGGTACACTTCATGTTGGTGTGAAATCCGAGAAATCAATGGCAGTACG
 TGTCGCTAACCAACAGTGAAGCAGCTACAGAAAATGCTTAGGGAATGCGAGGGAGTATTACCTTCAAG
 ATTTGTGCCAAGCTACCGCACTCAGTCTTCTGCTGTGAGGACTTGCCATCAACCACCAACCAAAAGGAC
 GACAGATCTATGTAAGAGCACAATTTGAATATGATCCAGCCAAGGATGACCTCATCCCCTGCAAAGAAGC
 TGGCATCCGGTCCGAGTTGGTGACATCATCCAGATTATTAGTAAGGATGACCACAACCTGGTGGCAGGGT
 AAAGTGGAAAACCTCAAAAATGGAAGTGCAGGTCTCATTCTTCTCCTGAACTTCAGGAATGGCGAGTAG
 CTTGCAATTGCCATGGAGAAGACCAAAACAAGAGCAGCAGGCCAGCTGACTTGGTTTGGCAAGAAAAAGAA
 GCAGTACAAAAGATAAATATTTGGCAAAGCACACGCAGTGTGATCAATTAGATCTTGTACATATGAA
 GAAGTAGTCAAACCTGCCAGCATTCAAAGGAAAACATTAGTCTTATTAGGTGCACATGGTGTGGAAGAA
 GACACATAAAAAATACCCTCATCACAAGCACCCGGACCGGTTTGCCTACCCTATTCCACATAACAACAG
 ACCTCAAAGAAAGATGAAGAAAATGGCAAGAATTATTACTTTGTATCTCATGACCAAAATGATGCAAGAG
 ATCTCAAATAACGAATACTTGGAGTATGGCAGCCATGAGGATGCAATGTACGGGACAAAACCTGGAGACCA
 TTCGAAAATCCATGAGCAGGGGCTGATTGCGATTCTGGACGTGGAGCCTCAGGCACTGAAGTCTGAG
 GACTGCAGAGTTTCTCCTTTTGTGCTTCTCATTGCGGCGCAACTATCACTCCAGGTTTAAATGAGGAT
 GAATCTTTCAGCGCCTGCAGAAGGAGTCCGATGTCTTGCAGAGAACATATGCACACTACTTCGATCTCA
 CAATTATCAACAACGAAATTTGATGAGACAATCAGACATCTGGAAGAAGCTGTCGAGCTTGTGTGCACAGC
 CCCACAGTGGTCCAGTCTCCTGGTCTAT**TAG**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_009806

Insert Size:	2694 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).
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_009806.3 , NP_033936.2
RefSeq Size:	8289 bp
RefSeq ORF:	2694 bp
Locus ID:	12361
UniProt ID:	O70589
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, neuexins, 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 (4) lacks several alternate in-frame exons in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 4), compared to 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>