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Product datasheet for MC227303

Ctbs (NM_001293672) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbs (NM_001293672) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctbs
Synonyms:	2210401K11Rik; CTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227303 representing NM_001293672
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTGTGTGGCCTCCCGGAATTCACTCTGCTGCTGCTGCCGCTGTTGGCACGGCTCTCGGCCGGGG
ACTGCCCGTGCTCCGAGGCTGCTCTCTGCCAACCGATCCGCCACCGTCCCGACTTCGAGGTCTTTGTATT
TGATGTTGGACAGAAAACCTGGAAATCTTATGACTGGTCACAGATTACAACTGTGGCAGCTTTTGGAAAA
TATGACCCAGAACTTATGTGCTATGCTCATTCAAAAGGAGCCAGGGTAGTGCTAAAAGGTGACATCTCTC
TGAAGAATATCATTGATCCTACCTTCAGAGCATCGTGGATAGCTCAGAAAGTTGATTTAGCCAAAGCACA
GTATATGGATGGGATTAATATAGACATAGAGCAAGAAGTTAACTGCTCATCACCTGAATATGAAGCACTG
ACAGCTCTGGTCAAAGAAACCACAGAGAGTTTCCAACGTGAGATCGAGGGATCACAGGTAACCTTTGATG
TAGCTTGGTCACCAAAGCGCATAGACAAAAGGTGCTATAATTACACTGGGATCGCAGATGCCTGTGACTT
TCTTTTTGTGATGTCTTACGATGAGCAAAGTCAGATCTGGTCAGAATGTATTGCAGCCGCCAATGCTCCC
TACAATCAGACATTAACTGGATATATTGACTACATCAAGATGGGCATTAGCCCTAAGAAACTTGTAATGG
GTGTTCCCTGGTATGGCTATGATTACATTTGCCTAAATCTCTCAAAGGATGACATTTGCACCATTACAAA
GGTCCCTTTCAGGGGGGCTCCTTGTAGCGATGCTGCAGGCCATCAAGTGCCCTACAAGGTGATCATGAAG
CAGGTAAATGGCTCTGTTTCTGGAAGCCAGTGGAATAAAGACCAGCAAGCTCCCTATTATAACTACAAGG
ATCCTGCTGGCCGTTTTCATCAAGTGTGGTATGATAACCCACAGAGCATCTCACTAAAGGCAGCATATGT
CAAAAACTACGGCTTGCGGGGCATTGGCATGTGGAATGCAAACTGTCTTGACTACTCCGATGATGCTCTA
GCCAGAGAGCAAACACAAGAAATGTGGGGAGCCTTAAAACCAAGGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_001293672
Insert Size:	1101 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:	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_001293672.1, NP_001280601.1
RefSeq Size:	2906 bp
RefSeq ORF:	1101 bp
Locus ID:	74245
UniProt ID:	Q8R242
Cytogenetics:	3 H2
Gene Summary:	Involved in the degradation of asparagine-linked glycoproteins. Hydrolyze of N-acetyl-beta-D-glucosamine (1-4)N-acetylglucosamine chitobiose core from the reducing end of the bond, it requires prior cleavage by glycosylasparaginase (By similarity).[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.

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