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Product datasheet for MC208357

Ctse (NM_007799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctse (NM_007799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctse
Synonyms:	A430072O03Rik; C920004C08Rik; Cat; CatE; CE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC208357 representing NM_007799
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCCCCTCCTTGTGCTGCTGCTGCTGCTGCTCCTGGATCTGGCTCAGGCCCAAGGTGCTCTGCACA
GAGTGCCCCTCAGAAGACATCAGTCCCTTCGGAAGAAACTACGGGCCCAAGGACAGCTCTCAGAATTCTG
GAGGTCTCATAACTTGGACATGACCCGACTCAGCGAGTCCTGTAATGTGTATTCGAGTGTCAATGAACCC
CTCATCAACTACCTGGATATGGAATACTTTGGCACCATCTCCATCGGCACCCCGCCGCAGAACTTCACTG
TCATCTTTGACACCGGTTCATCCAACCTCTGGGTCCCTTCTGTGTACTGCACCAGCCCAGCATGCAAGGC
ACACCCAGTATTCCATCCATCGCAGTCCGACACATACACGGAGGTAGGGAATCATTTCTCCATCCAGTAT
GGTACCGGGAGCCTGACAGGAATCATTGGAGCTGATCAAGTCTCTGTGGAAGGGTTGACTGTGGATGGCC
AGCAGTTTGGAGAAAGTGTCAAGGAGCCAGGCCAGACCTTTGTGAATGCAGAGTTTGATGGGATTCTGGG
TCTGGGATACCCCTCATTGGCTGCTGGAGGAGTGACCCCAGTGTTTGACAACATGATGGCCCAGAACCTT
GTGGCTCTGCCTATGTTTTCTGTCTACTTGAGCAGTGACCCTCAAGGTGGCTCAGGCAGTGAGCTGACTT
TCGGAGGCTATGACCCCTCTCATTTCTCTGGGAGCCTCAACTGGATCCCAGTCACCAAGCAAGCCTATTG
GCAGATTGCCCTGGATGGAATCCAGGTGGGAGACACTGTGATGTTCTGCTCCGAAGGCTGCCAGGCCATA
GTGGACACAGGGACCTCTCTCATCACTGGCCCCCCCGACAAGATCAAACAGCTTCAAGAGGCCATTGGGG
CCACACCCATTGATGGAGAATATGCAGTGGATTGTGCCACTCTCGACACGATGCCAAACGTTACCTTCCT
CATCAACGAGGTTTCATATACCCTCAACCCAACTGACTACATCCTGCCGGACTTGGTGGAAGGAATGCAG
TTCTGTGGCAGTGGCTTTCAAGGACTTGACATTCCACCTCCAGCTGGGCCCCTCTGGATCCTGGGGGATG
TCTTCATCCGACAGTTCTACTCAGTCTTTGACCGTGGAAATAACCAAGTGGGATTGGCCCCCGCAGTTCC
CTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_007799
Insert Size:	1194 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:	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_007799.3, NP_031825.2
RefSeq Size:	2120 bp
RefSeq ORF:	1194 bp
Locus ID:	13034
UniProt ID:	P70269
Cytogenetics:	1 57.14 cM
Gene Summary:	This gene encodes a member of the peptidase A1 family of aspartate proteases and preproprotein that is proteolytically processed to generate a mature protein product. The encoded protein may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. Homozygous knockout mice for this gene exhibit lysosomal storage disorder, impaired autophagy, mitochondrial abnormalities, dermatitis, and reduced weight gain in an obesity model. [provided by RefSeq, Aug 2015]

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