

Product datasheet for **RN205831**

Ctsm (NM_181378) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctsm (NM_181378) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ctsm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205831 representing NM_181378 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTCCTGCTGTGTTGCTGGCCATCCTGTGCTTGAGACTGATCTCATCTTCACCAGCACCTGATCCCC
TTTTGGATGCTGAATGGCAGAAATGAAAAATGAAAAATGAAAAACATACAGCCTGGAGGAAGAAGGACA
GAAGAGAGCAGTATGGGAACAAATATGAAAAAGATCAAATTGCACAATGGGGAGAATGGCCTAGGGAAG
CATGGTTTCACCATGGAAATGAATGCYTTTGGTGACATGACAATTGAAGAATTCAGGAAATTAATGATTG
AAATCCCAATCCCAACTGTCAAAAAAGAGAACAGTGTACAGAAACGTGAGGCTGTTAACGTGCCCAACTT
TATAAACTGGAGGAAGAGAGGCTATGTTACCCCTGTGCGGAGACAGGGAAGATGTAATGTTTGTGGGCT
TTTTCTGTGGCTGGTGCCATAGAAGGACAGATGTTCCAGAAAACAGGTCAACTGATCCCTCTGAGTGTAC
AGAACCTGGTGGACTGCTCTAGACCTCAAGGCAACCTGGGCTGTTATTTAGGCAATACATACCTTGCAAT
GCAGTATGTGAAGGAAAATGGAGGTCTGGAATCTGAGGCAACCTATCCATATGAAGAAAAGGAAGGATCC
TGCAGGTACCATCCAGATAATTCTACTGCTAGTATCACAGACTTTGAGTTTGTCCAAAGAATGAGGATG
CATTAATGAATGCTGTGGCGACGCTAGGGCCCATTTTGTGCGATTGATGCAAGGCATGAATCTTTCCT
GTTCTATAGAAATGGTATATATCATGAGCCAACTGCAGTAGTTCTGTTGTACACATGCTATGTTACTG
GTTGGCTATGGATTTGTAGGAGAAGAATCAGATGGCAGGAAGTACTGGATTCTTAAGAACAGCATGGGAA
ATAAATGGGGCAACAGAGGCTATATGAAGATTGCCAAAGACCAGGTAACCACTGTGAATTGCTACATA
TGCCCTTTATCCAAGGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_181378


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Insert Size:	1002 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:	<u>NM_181378.2</u> , <u>NP_852043.1</u>
RefSeq Size:	1348 bp
RefSeq ORF:	1002 bp
Locus ID:	306720
Cytogenetics:	17p14
Gene Summary:	mouse homolog is a placenta-specific lysosomal cysteine protease [RGD, Feb 2006]