

Product datasheet for **RN210442**

Cts7 (NM_001106099) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cts7 (NM_001106099) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cts7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210442 representing NM_001106099 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGTGGCTGTTTTCTGGCCATCCTGTGCTTGAGAGCAGCCTTGGCTGCTCCAAGGCCTGATTACA
GTTTGGATGCCGAGTGGGAGGAGTGAAGAGGAACAATGCGAAAACATACAGCCCAGAGGAGGAAAAAGCA
GAGGAGAGCAGTGTGGGAAGAAAATGTGAAAATGATCAAATGGCACACTATGCAGAATGGCCTGTGGATG
AACAACTTCACCATAGAAATGAATGAATTTGGTGACATGACTGGTGAGGAAATGAGAATGATGACAGATA
GTTTCAGCTCTGACTCTAAGAAATGGAAAACACATCCAGAAACGCAATGTCAAAATTCCTCAAAACCTTGA
TTGGAGAGATACAGGCTGTGTGGCTCCTGTGCGAAGCCAGGGAGGATGTGGTGCATGTTGGGCCTTTTCT
GTGGCCGCTTCCATAGAAAGTCAGCTGTTCAAGAAAACAGGCAAACTGATCCCACTGAGTGTACAGAATT
TAATTGACTGCACAGTTACTTATGGCAATAATGACTGTTCTGGAGGCAAACTTATACGGCCTTCCAATA
TGTGAAGAACAAATGGCGGTCTGGAGGCTGAGGCAACCTACCCATATGAAGCAAAGCTACGGCACTGCAGG
TACCGTCTGAACGTTCTGTTGTTAAGATAGCCCGCTTTTTGTTGTCCAAGGAATGAAGAAGCCCTAA
TGCAAGCTCTAGTAACCTATGGGCCATTGCTGTTGCAATTGATGGTTCGCATGCATCCTTTAAAGATA
TCGAGGAGGTATATCATGAGCCAAAATGTAGCGTGATACTCTCGACCATGGTCTACTATTGGTTGGC
TATGGCTATGAAGGCCATGAGTCAGAGAACAGAAAATACTGGCTGCTAAAGAACAGCCATGGTGAACAAT
GGGGTGAAGGGGCTACATGAAGCTCCCAGAGATCAGAACAACTACTGTGAATTGCTTCTTATGCCAT
GTACCCTCTGTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001106099



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Insert Size:	996 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_001106099.1, NP_001099569.1</u>
RefSeq Size:	1505 bp
RefSeq ORF:	996 bp
Locus ID:	290970
UniProt ID:	<u>D3ZZ07</u>
Cytogenetics:	17p14
Gene Summary:	Involved in trophoblast cell proliferation and differentiation probably by affecting mitotic cell cycle progression. Proteolytic activity and nuclear localization are essential for its role in cell cycle progression (By similarity).[UniProtKB/Swiss-Prot Function]