

Product datasheet for MC203096

Ctsk (NM_007802) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctsk (NM_007802) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctsk
Synonyms: AI323530; cat; catK; MMS10-Q; Ms10q
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC046320
 ATCTAGCACCCCTAGTCTCCGCTCACAGTAGCCACGCTTCTATCCGAAAAGAGCCTAGCGAACAGATT
 CTCAACAGCAGGATGTGGGTGTTCAAGTTCTGCTGCTACCCATGGTGAGCTTTGCTCTGTCTCCGGAGG
 AAATGCTGGACACCCAGTGGGAGCTATGGAAGAAGACTACCAGAAGCAGTATAACAGCAAGGTGGATGA
 AATCTCTCGGCGTTAATTTGGGAGAAAACTGAAGCAATCTCTGCCATAACCTGGAGGCTCTCTT
 GGTGTCCATACATATGAACTGGCCATGAACCACTTGGGAGACATGACCAGTGAAGAAGTGGTTCAGAAGA
 TGACGGGACTCAGAATACCTCCCTCTCGATCCTACAGTAATGACACTCTCTATACCCAGAGTGGGAAGG
 CAGGGTCCAGACTCCATCGACTATCGAAAGAAAGGATACGTTACTCCAGTCAAGAACCAGGGCCAGTGT
 GGTTCCTGTTGGGCTTTCAGCTCTGCCGGGCCCTGGAGGGCCAACCTCAAGAAGAAAACCTGGTAACTCT
 TAGCTCTGAGTCCCAGAATCTTGTGGACTGTGTGACTGAGAATTATGGCTGTGGAGCGGCTATATGAC
 CACTGCCTTCCAATACGTGCAGCAGAACGGAGGCATTGACTCTGAAGATGCTTACCCATATGTGGGCCAG
 GATGAAAGTTGTATGTATAACGCCACGGCAAAGGCAGCTAAATGCAGAGGGTACAGAGAGATTCTGTGG
 GGAACGAGAAAAGCCCTGAAGAGAGCAGTGGCGCGGGTAGGACCCATCTCTGTGTCCATCGATGCAAGCTT
 GGCATCTTTCCAGTTTTACAGCAGAGGTGTGACTATGATGAAAATTGTGACCGTGATAATGTGAACCAT
 GCAGTGTGGTGGTGGGCTATGGCACCCAGAAGGGAAGCAAGCAAGCAAGTGGATAAATAAAACAGCTGGGGAG
 AGAGCTGGGGAACAAAGGATATGCTCTTGGCTCGGAATAAGAACAACGCCTGCGGCATTACCAACAT
 GGCCAGCTTCCCAAGATGTGATTCCAGCCAGCCAGCCCATCTCTCTCAGATTCCCTTCATGGTGC
 AAGATTTGGTGGCTTTGGAAGGGAGTGGGCATGGCGCTCCTGAGAGGGACGCAGCGATGCTAACTAAGA
 TTGTTTTCAATTTCTCTCGTTGGTGTCTCCAGTGACAACCTACTTCCCTTCTCTGCCAGGGCCCT
 TTTCTTTGTGGACACAACAGGGCATTCTGAGAGTTGTGGACTCTGTGCTGGTAGACATTGGAGTCCCT
 CCAGCAGGCTGGAGGACTAAGGTGACCTTCCCGAGCCCTGTCTTCTGTATACACCAGTGAACATTTTCAG
 TCTTCCACTGAGATGCACAAATCTATTCGTGATTCTTTGACAAATTTACATGATATTAATAAAAGTGT
 TTCCTTTGTATTTGAAATAAAGTATCTCATTTACAATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_007802
Insert Size:	990 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:	BC046320 , AAH46320
RefSeq Size:	1562 bp
RefSeq ORF:	990 bp
Locus ID:	13038
UniProt ID:	P55097
Cytogenetics:	3 40.74 cM
Gene Summary:	This gene encodes a member of the cathepsin family of cysteine proteases that is highly expressed in osteoclasts and is involved in the degradation of collagen and other matrix proteins in bone. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional enzyme. Mice lacking the encoded protein exhibit phenotypic features of pycnodysostosis such as increased bone density and bone deformity, which become progressively more pronounced with age. [provided by RefSeq, Jan 2016]