

Product datasheet for MC223207

TII2 (NM_011904) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TII2 (NM_011904) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	TII2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223207 representing NM_011904 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTTGGCACCCTCTGGCACCCTGGTGTCTACTGTTGCTGCTACCGCTGCCCGCGGTGCTGAAG
TGACTGGGGACCATTGCAATGTCGCCTTGGACTACGGAGCCTTGAAGGCGAGGAGGACCGGAGCAGCA
GCTGCATTACCACGACCCTGCAAAGCTGTCTTCTGGGAGATATTGCTCTGGATGAAGATGATCTC
AAGTTATTTACATCGACAAGGCTGAGGACTGGACCAAGCCATCCATTGACAAAACAGGACATGACACTG
GAGGCCTTGAGGAGACATCTGCAAGGTGGCCAAACGATACAGCCTCTAACGCCAGCATCCAGGCACCAAG
AAAGGATGGCAAGGATGCCACCACATTTCTGCCTAACCCCTGGGACCTCAAACACCACCGTAAGACCTTC
TCTGCTCGAGTTCGAAGAGCTACAACCTCAAGGACAGAGCGGATTTGGCCTGGAGGGTCAATTCCTTATG
TCATTGGAGGAACTTTACTGGTACCCAGAGGGCCATTTCAAACAGGCCATGAGGCACTGGGAGAAGCA
CACCTGTGTGACCTTCGTAGAGAGGACAGATGAGGAAAGCTTCATTGTATTGATTACAGGACCTGTGGT
TGTTGTTCTACGTGGGACGCCGAGGAGGTGGCCCGCAGGCCATATCCATCGGGAAAACTGTGACAAGT
TCGGCATTGTGGCTCACGAGCTGGGCCATGTGGTTGGTTCTGGCATGAACACACTCGGCCAGACCGAGA
CCAACATGTACCATCATCAGAGAAAACATCCAGCCAGGTCAGGAGTATAATTTCTTAAAAATGGAAGCC
GGCGAGGTGAGCTCTCTGGGAGAGACCTACGACTTCGACAGCATCATGCACTATGCCCGAACACCTTCT
CAAGAGGAGTTTTCTTAGACACCATCTCCCCGTCGAGACGACAATGGCGTCAGGCCAACCATTTGGCCA
ACGCGTGGGCTCAGTCAGGGAGATATAGTCAAGCCAGGAAGCTGTACAAAATGCCAGCATGTGGGGAG
ACACTACAGGACACGACAGGAACTTTTCGGCACCTGGTTTCCCAAATGGCTACCCCTCTATCCCACT
GCGTCTGGAGGATCTCCGTCACCCAGGGGAAAAGATCATCTAAATTTACCTCCATGGATTTGTTAA
GAGCCGCTGTGCTGGTACGATTACGTGGAGATCCGGGATGGTTACTGGGAAAGGCCCCCTGTTGGG
AGGTTCTGTGGGATAAGATACCTGAGTCCCTGTCTCCTCGGACAGCCGGCTCTGGGTGAATTCGGTA
GCAGCAGCAGCAGCCTGGCAAAGGCTTCTTGTGTATATGAAGCCATGTGTGGGGAGACATAACCAA
AGATGCAGGCCAGATTAGTCTCCAACTACCTGACGACTACAGACCTTCCAAGGAATGTGTGTGGAGG
ATCACAGTGCCCGACGGTTCCATGTGGGACTTACCTTCCAGTCTTCGAGATCGAAAGGCATGACAGTT
GTGCATATGACTATCTGGAAATCCGAGACGGTCCACAGAGGACAGCACCTGATTGGCCACTTCTGTGG
CTACGAGAAGCCGGAGGCCGTGAAATCCAGCGCTAACCGACTGTGGGTGAAGTTTGTGTCCGACGGCTCC



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ATCAATAAAGCGGGCTTTGCAGCCAATTTCTTCAAGGAGGTGGATGAGTGCTCCTGGCCAGACCATGGTG
 GATGTGAGCAGCGCTGTGTAACACACTCGGCAGCTACACGTGTGCCTGTGACCTGGCTACGAACCTGGC
 TGCCGACAAGAAGACATGTGAAGTGGCCTGTGGTGGCTTATTACCAAGCTAAACGGCACCATCACCAGC
 CCTGGATGGCCGAAGGAGTATCCACCAACAAGAACTGTGTCTGGCAGGTGGTGGCTCCCGTGCAGTACC
 GCATCTCACTGCAGTTCGAAGCCTTTGAGCTGGAAGGCAATGACGTCTGTAAGTATGACTTCGTAGAGGT
 GCGCAGTGGCCTGTCCCAGATGCCAAGCTTACGGCAAATTTCTGTGGCTCCGAGACCCCGGAGGTCATC
 ACATCGCAGAGCAACAACATGCGAGTGGAAATTCAGTCTGACAACACCGTCTCCAAGCGAGGCTTCAGGG
 CTCACCTTCTTCTCAGACAAAGACGAGTGTGCCAAAGACAATGGCGGCTGCCAGCAGGAGTGTCAACAC
 GTTCGGGAGTTACCTGTGCAGATGCAGGAACGGGTACCGACTGCATGAGAACGGACACGACTGCAAAGAG
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 CCAGCCGGAAGGAATGTACCTGGAACATTTTCATCAACCGCAGGCCACAGGGTAAAAATTACATTCAGTGA
 GTTCGAGATTGAGCAGCACCAGGAATGTGCCTATGACCACCTGGAAGTGTACGATGGGACAGACAGCTTG
 GCCCCATCCTTGGCCGCTTCTGCGGCAGCAAGAAGCCGGATCCCGTGGTGGCGACAGGCAGCAGCCTAT
 TCCTCAGGTTTTACTCGACGCCTCAGTGCAGCGGAAAGGCTTCCAGGCTGTGCACAGCAGAGTGTGG
 GGGCAGGCTGAAGGCTGAAGTACAGACCAAGAGCTCTATTCCATGCCAGTTTGGGGACAACAACACTAC
 CCGAGCCAGGCCCGCTGTGACTGGGTGATAGTGGCAGAAGACGGTTATGGCGTGGAGCTGATATCCGGA
 CCTTTGAAGTTGAGGAGGAAGCTGACTGTGGCTACGACTTCATGGAGGCTTATGATGGGTACGACAGCTC
 GGCACCCAGGCTCGGCCGCTTCTGTGGCTCAGGGCCATTAGAGGAAATCTACTCCGCCGGAGACTCGCTA
 ATGATCCGCTTCCACACGGACGACACCATCAACAAGAAAGGCTTTCACGCCCGGTACACTAGCACCAGT
 TCCAAGACGCCTTGCACATGAGGAAGTAG

AGCGGACCCACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII

ACCN: NM_011904

Insert Size: 3039 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_011904.3](#), [NP_036034.1](#)

RefSeq Size: 3369 bp

RefSeq ORF: 3039 bp

Locus ID: 24087

UniProt ID: [Q9WVM6](#)

Cytogenetics: 19 C3

Gene Summary: Protease which specifically processes pro-lysyl oxidase. Required for the embryonic development. Predominant protease, which in the development, influences dorsal-ventral patterning and skeletogenesis.[UniProtKB/Swiss-Prot Function]