

Product datasheet for **MR208901**

Thpp1 (NM_009906) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpp1 (NM_009906) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thpp1
Synonyms:	Cl; Cln2; LPIC; TPP-1; TPP-I
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208901 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGACTCCAAGCCCGCTCTAGGGCTCCTGTCTCTGTCATCGCCGGCAAATGCACTTACAACCTG
 AGCCGGACCAGCGGTGGATGCTGCCTCCAGGCTGGGTGTCCCTGGGCCGGGTGGATCCCGAGGAAGAGCT
 GAGTCTCACTTTTGCCTGAAACAGCGGAACCTGGAAAGACTCTCGGAGCTGGTGCAAGGCTGTGTGGAT
 CCTAGCTCTCCTCAATATGAAAAGTACCTAACCTGGAGGATGTAGCTGAGCTGGTTCAACCATCACCC
 TGACCCTCTCACTGTCCAAAAGTGGCTCTCAGCAGCTGGAGCCCGAACTGCGATTCACTGACCACCCA
 GGACTTTCTGACTTGTGGCTGAGTGTCCGACAGGCTGAGCTGCTGCTCCAGGAGCTGAGTTTCATCGC
 TATGTAGGGGGACCTACAAAGACCCATGTTATAAGGTCCCACATCCCTACCAGCTTCCCAGGCCCTTGG
 CCCCTCATGTGGATTTTGTGGGGGGCTGCACCGTTTCCCCCTTCATCTCCAAGACAACGTCCAGAACC
 ACAACAGGTAGGAACTGTTAGCTGCACCTGGGAGTGACTCCGTCTGTGCTCCGTGAGCGATACAACCTG
 ACAGCCAAAGATGTGGGCTCAGGCACCACCAACAATAGCCAGGCCGTGCCCCAGTTCTTGGAAACAGTACT
 TCCATAACTCGGATCTGACTGAGTTCATGCGCCTATTCGGTGGCAGTTTTACACACCAGGCCCTCAGTAGC
 AAAAGTTGTTGGAAAGCAAGGGCGAGGCCGAGCTGGGATCGAGGCCAGTCTAGATGTGGAATACCTGATG
 AGTGCTGGTGCCAATATCTCCACTTGGGTCTACAGTAGCCCTGGCCGATGAGGCACAGGAGCCCTTCT
 TACAATGGCTCCTGCTTCTTAGCAATGAGTCATCTTGGCACATGTACATACTGTGAGTTACGGAGACGA
 TGAAGACTCCCTCAGCAGCATCTACATCCAGAGAGTCAACTGAGTTCATGAAGGCTGTGCTCGGGGT
 CTCACCTCCTTTTGCCTCAGGTGACACTGGAGCTGGGTGTTGGTCTGTCTCCGGAAGACACAAGTCC
 GCCCTAGCTTCCCTGCTCCAGCCCTATGTTACTACAGTTGGAGGAACCTCCTCAAGAACTCCTTCCCT
 CATCACAGATGAAGTAGTTGACTATATCAGTGGTGGAGGCTTCAGCAATGTTTTCCACGGCCTCCCTAC
 CAGGAGGAAGCAGTGGCCAGTCTTGAATCCAGCTCTCATCTACCACCATCCAGTTACTTCAATGCTA
 GTGGCCGTGCCTACCCAGATGTTGCCGACTATCTGATGGCTACTGGTGGTCAAGCAATGGTCCCAT
 TCCATGGGTACTGGAACCTCGGCCTCTACTCCAGTGTGGGGAAATTTATCCTTGATAAATGAGCAC
 AGAATCCTCAATGGCCGCCCTCCTTGGCTTTCTCAACCCAGGCTCTATCAGCAGCATGGGACAGGAC
 TCTTTGATGTAACCCACGGCTGCCATGAGTCTGTCTGAATGAAGAAGTGGAGGGTCAGGGTTTCTGCTC
 TGGTCTGGTGGGATCCTGTGACAGTTGGGGAACCCAACTCCCAGCCCTACTGAAGACCCTGCTC
 AACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208901 protein sequence
 Red=Cloning site Green=Tags(s)

MGLQARLLGLLALVIAGKCTYNPEPQQRWMLPPGWVSLGRVDPEEELSLTFALKQRNLERLSELVQAVSD
 PSSPQYGYKLTLEDVAELVQPSPLTLLTVQKWLAAAGARNCDVTTQDFLTCWLSVRQAELLPLGAEFHR
 YVGGPTKTHVIRSPHPYQLPQALAPHVDFVGGHRFPSSPRQRPEPQQVGTVSLHLGVTPSVLRQRYNL
 TAKDVSGTNNNSQACAQFLEQYFHNSDLTEFMRLFSGSFTHQASVAKVVGKQGRGRAGIEASLDVEYLM
 SAGANISTWVYSSPRHEAQEPFLQWLLLLSNESSLPHVHTVSYGDEDSLSSIYIQRVNTFMKAAARG
 LLLL FASGDTGAGCWSVSGRHKFRPSFPASSPYVTTVGGTSFKNPFLITDEVVDYISGGGF SNVFP RPPY
 QEEAVAQFLKSSSHLPPSSYFNASGRAYPDVAALSDGYWVSNMVPPIPWVSGTSASTPVFGGILSLINEH
 RILNRPPLGFLNPRLYQQHGTGLFDVTHGCHESCLNEEVGQGFCSGPGWDPVTGWGTPNFPALLKTL
 NP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

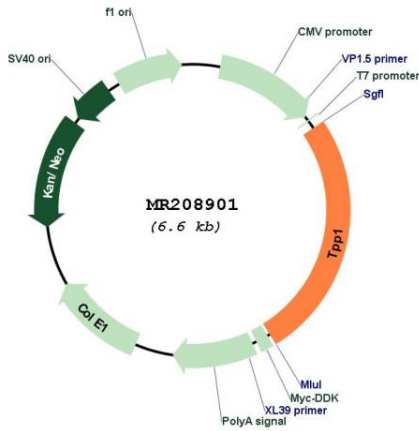
Restriction Sites:

SgfI-MluI

MW: 61.3 kDa

Gene Summary: This gene encodes a lysosomal serine protease that cleaves N-terminal tripeptides from protein substrates. The encoded preproprotein undergoes autocatalytic processing to generate a mature enzyme. Mice lacking the encoded protein exhibit a progressive neurodegeneration and a greatly shortened lifespan. At the cellular level, mice lacking the encoded protein exhibit accumulation of autofluorescent lipopigments. Mutations in the human ortholog of this gene cause classical late-infantile neuronal ceroid lipofuscinosis. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MR208901