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Product datasheet for SC216446

TPP1 (NM_000391) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TPP1 (NM_000391) Human 3' UTR Clone
Symbol:	TPP1
Synonyms:	CLN2; GIG1; LPIC; SCAR7; TPP-1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000391
Insert Size:	1808 bp

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Insert Sequence:

>SC216446 3'UTR clone of NM_000391
The sequence shown below is from the reference sequence of NM_000391. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTTTGCTGAAGACTCTACTCAACCCCTGACCCTTTCCTATCAGGAGAGATGGCTTGTCCCCTGCCCTG
AAGCTGGCAGTTCAGTCCCTTATTCTGCCCTGTTGGAAGCCCTGCTGAACCCTCAACTATTGACTGCTG
CAGACAGCTTATCTCCCTAACCCTGAAATGCTGTGAGCTTGACTTGACTCCCAACCCTACCATGCTCCA
TCATACTCAGGTCTCCCTACTCCTGCCTTAGATTCCTCAATAAGATGCTGTAACTAGCATTTTTTGAAT
GCCTCTCCCTCCGCATCTCATCTTTCTCTTTTCAATCAGGCTTTTCCAAAGGGTTGTATACAGACTCTG
TGCACTATTTCACTTGATATTCATTCCCCAATTCACTGCAAGGAGACCTCTACTGTCACCGTTTACTCT
TTCCTACCCTGACATCCAGAAACAATGGCCTCCAGTGCATACTTCTCAATCTTTGCTTTATGGCCTTTC
CATCATAGTTGCCCACTCCCTCTCCTTACTTAGCTTCCAGGTCTTAACTTCTCTGACTACTCTTGTCTT
CCTCTCTCATCAATTTCTGCTTCTTCATGGAATGCTGACCTTCATTGCTCCATTTGTAGATTTTTGCTC
TTCTCAGTTTACTCATTGTCCCCTGGAACAAATCACTGACATCTACAACCATTACCATCTCACTAAATA
AGACTTTCTATCCAATAATGATTGATACCTCAAATGTAAGATGCGTGATACTCAACATTTCATCGTCCA
CCTTCCCAACCCCAAACAATTCCATCTCGTTTCTTCTTGGTAAATGATGCTATGCTTTTTCCAACCAAG
CCAGAAACCTGTGTCATCTTTTCACCCCACCTTCAATCAACAAGTCCTCAATCAACAAGTCCTACTGAC
TGCACATCTTAAATATATCTTTATCAGTCCACAAGTCCTTCCAATTATATTTCCCAAGTATATCTAGAA
CTTATCCACTTATATCCCCACTGCTACTACCTTAGTTTAGGGCTATATTCTCTTGAAAAAAAGTGTCCT
TACTTCCTGCCAATCCCCAAGTCATCTTCCAGAGTAAAATGCAAATCCCATCAGGCCACTTGGATGAAA
ACCCTTCAAGGATTACTGGATAGAATTCAGGCTTTCCCCTCCAGCCCCCAATCATAGCTCACAAACCTT
CCTTGCTATTTGTTCTTAAGTAAAAAATCATTTTTCCTCCTCCCTCCCCAAACCCCAAGGAACTCTCAC
TCTTGCTCAAGCTGTTCCGTCCCCTTACCACCCCTGATACAACTGCCAGGTTAATTTCCAGAATTCTTG
CAAGACTCAGTTCAGAAGTCACCTTCTTTCGTGAATGTTTTGATTCCCTGAGGCTACTTTATTTTGGTA
TGGCTGAAAAATCCTAGATTTTCTAAACAAAACCTGTTTGAATCTTGGTTCTGATATGGACTAGGAGAG
AGACTGGGTCAAGTAAGCTTATCTCCCTGAGGCTGTTTCCTCGTCTGTTAAGTGTGAATATCAATACCT
GCCTTTCATAATCACCAGGGAATAAAGTGGAATAATGTTGATAACAGTGCTTGGCACCTGGAAGTAGGT
GGCAGATGTTAACGCCCTTCCTCCCTTGCACTGCGCCCCCTGTGCCTACCTCTAGCATTGTAACGACCA
CGTAGTATTGAAATGGCCAGTTTACTTGTCTGCCTTCCTTTCCAAGACCGTTGGTGCCTAGAGGACTAG
AATCGTGTCCTATTTAACTTTGTGTTCCCAGGTCCTAGCTCAGGAGTTGGCAAATAAGAATTAAATGTC
TGCTACACCGAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_000391.4

Summary:	This gene encodes a member of the sedolisin family of serine proteases. The protease functions in the lysosome to cleave N-terminal tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a catalytically-inactive enzyme which is activated and auto-proteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome. [provided by RefSeq, Jul 2008]
Locus ID:	1200
MW:	67.6