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Product datasheet for SC202206

LONP1 (NM_004793) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	LONP1 (NM_004793) Human 3' UTR Clone
Symbol:	LONP1
Synonyms:	CODASS; hLON; LON; LonHS; LONP; PIM1; PRSS15
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004793
Insert Size:	228 bp
Insert Sequence:	>SC202206 3'UTR clone of NM_004793 The sequence shown below is from the reference sequence of NM_004793. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAGGCAGAGGCGCTGGCCGTGGAACGGTGACGGCCACCCCGGGACTGCAGGCGGCGGATGTCAGGCCCT GTCTGGGCCAGAACTGAGCGCTGTGGGGAGCGCGCCCGGACCTGGCAGTGGAGCCACCGAGCGAGCAGC TCGGTCCAGTGACCCAGATCCCAGGGACCTCAGTCGGCTTAATCAGAGTGTGGCATAGAAGCTATTTAA TGATTAAAGTCATTTGCAGTA 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_004793.4

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Summary: This gene encodes a mitochondrial matrix protein that belongs to the Lon family of ATP-dependent proteases. This protein mediates the selective degradation of misfolded, unassembled or oxidatively damaged polypeptides in the mitochondrial matrix. It may also have a chaperone function in the assembly of inner membrane protein complexes, and participate in the regulation of mitochondrial gene expression and maintenance of the integrity of the mitochondrial genome. Decreased expression of this gene has been noted in a patient with hereditary spastic paraplegia (PMID:18378094). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2013]

Locus ID: 9361

MW: 8.6