

Product datasheet for SC118937

Cathepsin E (CTSE) (NM_001910) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cathepsin E (CTSE) (NM_001910) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTSE
Synonyms:	CATE
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC118937 sequence for NM_001910 edited (data generated by NextGen Sequencing)

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ATGAAAACGCTCCTTCTTTTCTGCTGCTGGTCTCCTGGAGCTGGGAGAGGCCCAAGGATCC
CTTCACAGGGTGCCCTCAGGAGGCATCCGTCCCTCAAGAAGAAGCTGCGGGCACGGAGC
CAGCTCTCTGAGTTCTGGAAATCCATAATTTGGACATGATCCAGTTCACCGAGTCTGC
TCAATGGACCAGAGTGCCAAGGAACCCCTCATCAACTACTTGGATATGGAATACTTCGGC
ACTATCTCCATTGGCTCCCCACCACAGAACTTCACTGTCATCTTCGACACTGGCTCTCC
AACCTCTGGGTCCCCTCTGTGTACTGCACTAGCCAGCCTGCAAGACGCACAGCAGGTTT
CAGCCTTCCCAGTCCAGCACATACAGCCAGCCAGGTCAATCTTTCTCCATTTCAGTATGGA
ACCGGGAGCTTGTCCGGGATCATTGGAGCCGACCAAGTCTCTGTGGAAGGACTAACCGTG
GTTGGCCAGCAGTTTGGAGAAAGTGTCACAGAGCCAGGCCAGACCTTTGTGGATGCAGAG
TTTGATGGAATTCTGGGCTGGGATACCCCTCCTTGGCTGTGGGAGGAGTGACTCCAGTA
TTTGACAACATGATGGCTCAGAACCTGGTGGACTTGCCGATGTTTTCTGTCTACATGAGC
AGTAACCCAGAAGGTGGTGGGGAGCGAGCTGATTTTTGGAGGCTACGACCACTCCCAT
TTCTCTGGGAGCCTGAATTGGGTCCCAGTACCAAGCAAGCTTACTGGCAGATTGCACTG
GATAACATCCAGTGGGAGGCACTGTTATGTTCTGCTCCGAGGGCTGCCAGGCCATTGTG
GACACAGGGACTTCCCTCATCACTGGCCCTTCCGACAAGATTAAGCAGCTGCAAAAACGCG
ATTGGGGCAGCCCCGTGGATGGAGAATATGCTGTGGAGTGTGCCAACCTTAACGTCATG
CCGGATGTCACCTTACCATTAACGGAGTCCCCTATACCCTCAGCCCAACTGCCTACACC
CTACTGGACTTCTGGATGGAATGCAGTTCTGCAGCAGTGGCTTTCAAGGACTTGACATC
CACCTCCAGCTGGGCCCTCTGGATCCTGGGGATGTCTTCATTGACAGTTTTACTCA
GTCTTTGACCGTGGGAATAACCGTGTGGGACTGGCCCCAGCAGTCCCCTAA
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Clone variation with respect to NM_001910.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001910 unedited GCATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGAGAAGCTGCTG GTCGGACTCACAATGAAAACGCTCCTTCTTTTGTGCTGGTGGCTCCTGGAGCTGGGAGAG GCCCAAGGATCCCTTACAGGGTGCCCTCAGGAGGCATCCGTCCTCAAGAAGAAGCTG CGGGCACGGAGCCAGCTCTCTGAGTTCTGGAAATCCCATAATTTGGACATGATCCAGTTC ACCGAGTCTGCTCAATGGACCAGAGTGCCAAGGAACCCCTCATCACTACTTGGATATG GAATACTTCGGCACTATCTCCATTGGCTCCCCACCACAGAACTTCACTGTCATCTTCGAC ACTGGCTCCTCCAACCTCTGGGTCCCCTCTGTGTACTGCACTAGCCCAGCCTGCAAGACG CACAGCAGTTCCAGCCTTCCCAGTCCAGCACATACAGCCAGCCAGGTCATCTTTCTCC ATTCAGTATGGAACCGGGAGCTTGTCCGGGATCATTGGAGCCGACCAAGTCTCTGTGAA GGACTAACCGTGGTTGGCCAGCAGTTTGGAGAAAGTGCACAGAGCCAGGCCAGACCTTT GTGGACGCAGAGTTTGTGGAATCTGGGCCTGGGATACCCCTCCTTGGCTGTGGGAGGA GTGACTCCAGTATTTGACAACATGATGGCTCAGAACCTGGTGGACTGNCCGATGTTTTCT GTCTACTGAGCAGTANCCANAAGGGGNTGCGNGAGCGAGCTGATTTTTGGGAGCTACGA CCACTCCATTTCTCTGGAGCCTGAAATTGGTCCCAGTACAGCAGCTACTGGCGATGCCCT GACTCGAGGGGGGGGGGGGNTTNNNNNNNNNNNNNGGGGGGGGGGNNNNNNNNNGGGG GGNNNGGGGTTTTNTTGTGGTGGCTCTTCAAAAATATGCATTGCACGCTCTGGGCCCC CCCGGGGGG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001910 unedited GCGGGCGCACCCGACCCCTTTCCCCNNGGNNTTAGCTTGANACCACGGCCCGCTT CTTANGANCGNGTTTTTTTTCTTTTTTTTTTNTAACTACCATTTTTTAGGAAAAGAAAG TTCAGGAGACCATGTCAAATGACACCTCGGGATTTCAACCAGCAACGTTCAAATGTGCTA AACTCTGTAGATGAAAGAGACTTACAGACATTTCAAATAAATGCAATATATGGGCCTTG CTTGAATCCTAATACAAACAATCCAACACAAAAACAGCCAAACATTTGGGACAATGG GAGATGCTTGAATCCGATTGTATATTTAAGGATGTTAGAAATATTTATGGACAAAATGA TGTAATGCTCGGAATTTGCTTCAAATGATCCAGGTACAGCATGTGGAGCTGGAGAGAGG AGTGGGCAGCAGTAAATAAACAGGCCTGGCCGTGTGTGGATGTTTGTGAGGGCTGAG TGGAGTTGCAAAGGGATCTATTATACCATGATCTCTGCTTGTGCATATGTTTGGAGATT TCATAATCAAATGTGAAAATTTTTGATTTTCATAATCAAAAATCAATACCAAAATATGAA TGTATAACGTAATTCCTCCATCATGACCGTGGTGGGAGTGGTGTGTATGTGTGAAGTGTG AGTGTGTGAATATGTGCGTGTGGGTGTGGATCCCCAGGCCTGGTTGGCCTTAATTCAA GTGCAACCCTGGAAACGGTACCTTCTTTGGAAAAAACTTTTTGTAGTAAAAAAATGCC CACCTAAACTATTCAAGGTCTGCCAAAAAGGCAGGCCACACCCAAAGCCCTTCTTAGG GGACTGTTTGGGCCCATACCAAACCGGTTTTTCCCCCGGCCAAGAATGGATAAAACGGCC AATGAAAAAATCTCCAGATACCAAAGGCCACATTGGAGGTGGGATGTCAAGACCCT TGAACCCACTGCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_001910
Insert Size:	2190 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).
RefSeq:	NM_001910.2 , NP_001901.1
RefSeq Size:	2228 bp
RefSeq ORF:	1191 bp

Locus ID: 1510

UniProt ID: [P14091](#)

Domains: asp

Protein Families: Druggable Genome, Protease

Protein Pathways: Lysosome

Gene Summary: This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. [provided by RefSeq, Nov 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).