

Product datasheet for SC118785

Cpn10 (HSPE1) (NM_002157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpn10 (HSPE1) (NM_002157) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cpn10
Synonyms:	CPN10; EPF; GROES; HSP10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_002157 edited ATGGCAGGACAAGCGTTTAGAAAGTTTCTCCACTCTTTGACCGAGTATTGGTTGAAAGG AGTGCTGCTGAAACTGTAAACAAAGGAGGCATTATGCTTCCAGAAAAATCTCAAGGAAAA GTATTGCAAGCAACAGTAGTCGCTGTTGGATCGGGTTCTAAAGGAAAGGGTGGAGAGATT CAACCAGTTAGCGTGAAAGTTGGAGATAAAGTTCTTCTCCAGAATATGGAGGCACCAAA GTAGTTCTAGATGACAAGGATTATTTCTATTTAGAGATGGTGACATTCTTGAAAGTAC GTAGACTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002157 unedited ATACGACTCACTATAGCGGCCGCGATTTCGGCACGAGGTGCGGCGCTACACTAGAGCAGA GTACGAGTCTGAGCGGGAGGAGTAATGGCAGGACAAGCGTTTAGAAAGTTTCTCCACT CTTTGACCGAGTATTGGTTGAAAGGAGTCTGCTGAAACTGTAAACAAAGGAGGCATTAT GCTTCCAGAAAAATCTCAAGGAAAAGTATTGCAAGCAACAGTAGTCGCTGTTGGATCGGG TTCTAAAGGAAAGGGTGGAGAGATTCAACCAGTTAGCGTGAAAGTTGGAGATAAAGTTCT TCTCCAGAATATGGAGGCACCAAGTAGTTCTAGATGACAAGGATTATTTCTATTTAG AGATGGTGACATTCTTGAAAGTACGTAGACTGAAATAAGTCACTATTGAAATGGCATCA ACATGATGCTGCCATTCCACTGAAGTTCTGAAATCTTTCGTCATGTAATAATTTCCAT ATTTCTCTTTTATAATAAACTAATGATAACTAATGACAAAANAAAAAAAAAAAAAAAAAAAA NNCCTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAAACAGATCCCGGGTGGC ATCCCTGTGACCCCTCCCAGTGCTCTCTGCGCCTGNAAGTTGCCACTCCAGTGCCCA CCAGCCTGTGCCTAAAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAT ATTATGGGGTGAGGGNGGTGGGTATGGAGCAGGGTGCNNAAGTGGGAAAACACCTGTAGGN CCCTGCGGGTCTATTGGGAACAAGCTGAAGTGCAGTGCACAATCTTGGCTCACTGCATCT CCGCTNCTGGGTTACGCGATTCTCCTGCTCAGCCTCCGGATTGTTGGGATTCCAGNCTGC ATGACCAGCTCACTAATTTTGTTTTTTGTAGAAAACGGGTTTACCATATGGCCAGCTGTT



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Gene Summary:

This gene encodes a major heat shock protein which functions as a chaperonin. Its structure consists of a heptameric ring which binds to another heat shock protein in order to form a symmetric, functional heterodimer which enhances protein folding in an ATP-dependent manner. This gene and its co-chaperonin, HSPD1, are arranged in a head-to-head orientation on chromosome 2. Naturally occurring read-through transcription occurs between this locus and the neighboring locus MOBKL3.[provided by RefSeq, Feb 2011]