

Product datasheet for MC212327

Capn8 (NM_001145806) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Capn8 (NM_001145806) Mouse Untagged Clone
Tag: Tag Free
Symbol: Capn8
Synonyms: nCL-2; nCL-2'
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212327 representing NM_001145806
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCCCTGGCAGCTGGAATATCCAAGCAACGTGCAGCTGCTCAGGGCCTTGGCTCTAACCAGAATG
 CTGTGAAGTATCTGGGCCAGGACTTCGAGACCCCTGAGAAAACAATGCTTGAACCTCAGGGTCTATTTAA
 AGACCCGGAATCCCGGCATGTCGGTCCAGCTTTGGGCTACAGGGATCTTGGACCAGGCTCTGCAGAACT
 CAAGGCATCATATGGAAGCGACCCACGGAATTGTGTTCCAACCCCTCAGTTTATCGTTGGTGGAGCCACAC
 GCACAGACATCCGCCAGGGGGTCTTGGAGACTGTTGGCTTCTGGCAGCCATTGCCTCCCTCACCTTGAA
 TGAAAAGCTGCTTATCGAGTGGTTCTAGAGACCAGAGCTTCCAGAAGAACTATGCTGGCATTTCAT
 TTCCAGTCTGGCAGTATGGAGAGTGGGTGGAGGTGGTCATTGATGACCGGCTCCCCACCAAGAATGGAC
 AGCTGCTCTTCTACACTCCGAAGAAGGCAATGAGTCTGGAGTCTGCTGGAGAAAGCCTATGCCAA
 GCTCAATGGTTCGTATGAGGCTCTTGTGGAGGCTCCACAATTGAGGGGTTTGGAGATTTACGGGTGGC
 ATCTCTGAGTTTTATGACTTGAGGAAGCCTCCGGGCAATCTGTACTACACCATCCAGAAGGCCCTGCGCA
 AAGGCTCTGCTGGGCTGCTCCATTGATGTCTCAAACGCGAGCCGAAGCAGCAAGCCACCAGGCAAAA
 GCTGGTTAAGGGCCACGCATACTCTGTACTGGAGTGAAGAGGTGGATTTCCGTGGCCTCCAGAGAAG
 CTGATCAGGTTGAGGAACCCGTGGGGTGAAGTGGAGTGGACGGGAGCCTGGAGTGATAGTGCACCTGAGT
 GGAATTACATAGATCCACAGAAGAAGGGAGAAGTGGACAAGAGAGCAGAAGATGGGGAGTTCTGGATGTC
 CTTTTCGGATTTCTGAAGCAGTCTCCCGACTAGAGATATGCAACCTGTCCCAGACTCTCTGAGCAGT
 GAGGAGATACACAAATGGAACCTGGTACTTCAACGGCCGCTGGACACGGGGTTCTACAGCCGGGGCT
 GCCAGAACTACCCAGGCTCCTTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001145806
Insert Size:	1146 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).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001145806.1</u> , <u>NP_001139278.1</u>
RefSeq Size:	2483 bp
RefSeq ORF:	1146 bp
Locus ID:	170725
UniProt ID:	<u>Q91VA3</u>
Cytogenetics:	1 H5
Gene Summary:	<p>Calcium-regulated non-lysosomal thiol-protease (By similarity). Involved in membrane trafficking in the gastric surface mucus cells (pit cells) and may involve the membrane trafficking of mucus cells via interactions with coat protein. Proteolytically cleaves the beta-subunit of coatamer complex.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>