

Product datasheet for MC210957

Capns2 (NM_027112) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Capns2 (NM_027112) Mouse Untagged Clone

Tag: Tag Free

Symbol: Capns2

Synonyms: 30K-2; 2310005G05Rik

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC210957 representing NM_027112
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCTCGAAAGGCGATCCTGGAAGGTGCAGATCGGGGGCTTGAGGGGCTCTTGAGGCCTTCTTG
GAGGAGGTGGTCAGGCAAGAGCAGGCGGGGCAACATCGGGGAATCCTTGAGGAATTGTCAATTTTAT
CAGCGAGGCTGCCGAGCTCAGTACACCCAGAGCCGCTCCCAACAGCAGCATTTTACCGTCGTGGAG
GCCTCAGAAAGTGAGGAAGTCAGACGTTTTCGGCAGCAATTTACACAGCTGGCTGGACCCGACATGGAGG
TGGGTGCTACTGACCTGATGAATATTCTCAACAAAGTCCTTTCTAAGCATAAAGAGCTGAAGACAGAGGG
CTTCAGCCTTGATACCTGTAGGAGCATTGTGTCTGTCATGGACAGTGACACCACAGGGAACTGGGATTT
GAGGAATTTAAGTACCTGTGGAACAACATCAAGAAATGGCAGTGTGTTTTCAAGCAGTACGACAGTGACC
ATTCTGGCTCCCTCGGAAGCTCCAGCTGCACGGGGCCATGCAGGCAGCGGGCTTCCAGCTCAATGAGCA
ACTTTACCTAATGATTGTCCGTCGGTATGCTGACGAAGATGGCGGGATGGATTTTAACTTTATCAGC
TGCCTGGTTCGCCTGGATGCTATGTTTCGAGCTTTCAAGGCTCTGGACCGAGATAGGGATGGCCTGATTC
AGGTGTCCATCCGAGAATGGCTGCAGCTGACCATGTATTCT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027112

Insert Size: 744 bp



[View online »](#)

| | |
|-------------------------------|--|
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| 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: | NM_027112.1 , NP_081388.1 |
| RefSeq Size: | 1015 bp |
| RefSeq ORF: | 744 bp |
| Locus ID: | 69543 |
| UniProt ID: | Q9D7J7 |
| Cytogenetics: | 8 C5 |
| Gene Summary: | Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity (By similarity).[UniProtKB/Swiss-Prot Function] |