

Product datasheet for **RN210298**

Casc3 (NM_147144) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casc3 (NM_147144) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Casc3
Synonyms:	Btz; Mln51
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210298 representing NM_147144
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGACCGCGCGCGCAGCGCCTCCAGGACACTGAGGACGAAGAATCTGGTGCTTCGGGTTCCG
 ACAGCGGCTCTCCCGCACGGGGCGCGCAGCTGCAGCGGAGCGCCGGAGGCGCGCAGTGGCTCGCT
 GCCTTCTCAGCGCGCGCGCCGCGCGGGGCTTCATCTGCGACGGTGAGAGCGGGGCGCCAAGAGC
 GCAGAGGAGTCTGAGTGTGAGAGTGAAGATGGCATGGAAGGAGATGCTGTTCTCTCCGATTATGAAAGT
 CAGAAGATTCAGAAGGTGAAGAAGAATACAGTGAAGAGGAGAATCCAAGGTAGAGCTGAAATCAGAAGC
 TAATGATGCTGCTGATTCCTCTGCAAAAGAGAAGGAGAAGAAAAGCCGGAATCTAAAGGCACCGTGACG
 GGGGAGAGGCAAAGTGGGATGGACAGGAGAGCACAGAGCCTGTGGAGAACAAGTGGGTAAGGAAAGGCC
 CTAAGCATTGGATGATGAAGATCGGAAAAACCCAGCGTATATCCAGGAAAGGGCTCTTCTTTGA
 GCATGATCTTCGAGGACAGACTCAGGAAGAGGAAGTCCGACCCAAAGGACGGCAGCGAAAATATGGAAA
 GATGAGGGTTCGCTGGGAGCATGATAAGTTCGTGAGGATGAACAGGCTCCAAAATCTCGACAGGAGCTAA
 TTGCATTTATGGCTATGACATTCGGTCTGCTCATAATCCTGATGACATCAAACCCGAAGAATCCGGAA
 ACCTCGATTTGGAAGTCCCCACAAAGAGATCCAACTGGATTGGTGACCGATCAAGCAATCCCATCGC
 CACCAGGTCCTGGGGCAACCTACCACCTAGGACATTTATTAACAGGAATGCAGCAGGACTGGCCGCA
 TGTCTACATCCAGGAATTATTCTCGATCGGGGCTTCAAGGAAGTTCGACTAGTTTTAGGCCTGTGGA
 GGTTGGTGGCAGCATGGTGCCCGTCTGGTGAGACTCTAAGCATGAAGCTAATACCGGTCACGGCGT
 CTGGAGCAGACTCCTATGAGGGATCCATCTCAGAACCAGATGCTCCATTGCTTGAAGTCTGAGAAAG
 AAGAGGTGGCCTCAGAGACACCAGCTGCTACCTGACATCACACCGCCAGCTCCTGACAGACCTATTGA
 GAAGAAATCCTATTCGCGGCAAGAAGACCCGACCAAAGTTGGGGATGCAGTCAAAGCAGCTGAAGAG
 GTTCTCTCCATCTGAAGGGCTCACTTCAGCAGCCACGGTCCCAGAATCTACTCTCCAGCTGCTAAGA
 CTGGGAACTGGGAGGCTCCAGTGGATTCTACCACAGGTGGACTTGAGCAAGATGTGGCACAGCTAAATAT
 AGCAGAACAAAATTGGAGTCCAGGACAGCCTTCATTCCTGCAGCCACGGAACTTCGAGGTATGCCTAAC
 CACATCCATATGGGAGCAGGACCTCCACCTCAGTTTAACCGGATGGAAGAAATGGGTGTGCAGAGTGGTC
 GAGCTAAGCGTACTCTCCAGCGGCAGCGCCTGTGCCAGAGCCCCCTGCTCCTCTGTGCATATCAG
 TATCATGGAGGGACATTACTATGATCCATTGCAGTTCAGGGACCAATCTATACCATGGTGACAGCCCT
 GCCCACTGCCCCACAGGGCATGATTGTACAGCCAGAAATGCACCTTCTCACCAGGTTTACACCCCC
 ACCAGTACCAGCACCTTGCCCAATCCGGTCTCTACCACCACAGTGTCCATGTCCCAGGACAGCC
 ACCGCCCCAGCAGTTGCTTGTCCACCTACTTTCTGCTCCGGGTGTCATGAATTTGGTAACCCTAGT
 TACCCTTATGCTCCGGGAGCACTGCCTCCTCCTCCACCTCCTCATCTGTATCCTAATACACAGGCTCCAT
 CACAGGTGTATGGAGGAGTGACTTACTATAACCCTGCCAGCAGCAGGTACAGCCAAAGCCCTCCACC
 CCGGAGGACTCCCAGCCAGTCTCCATCAAGCCCCCTCCATCTGAGGTTGTAAGCAGAGGTTCCAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_147144

Insert Size: 2100 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_147144.1</u> , <u>NP_671485.1</u>
RefSeq Size:	2259 bp
RefSeq ORF:	2100 bp
Locus ID:	259170
UniProt ID:	<u>Q8K3X0</u>
Cytogenetics:	10q31
Gene Summary:	nucleocytoplasmic shuttling protein, component of the dendritic mRNA transport particles in hippocampal neurons [RGD, Feb 2006]