

Product datasheet for **SC125849**

CAPZA3 (NM_033328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPZA3 (NM_033328) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPZA3
Synonyms:	CAPPA3; Gsg3; HEL-S-86
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_033328 edited
ATCGGGAGGCTCAGACCTTGCCAGACTGCCTGCTTTCATGGATAGACATAAAAAACCTTCA
GCTTGAATGTTAACACCTTGATGGGAAAGTGGCTCATGGAATGTTTTCTATCCTTTGA
ACACTCCTCATTTCAGAAGCTTTGCTTCTGTTGCAACCAAACATGACACTTAGCGTGCTG
AGCAGGAAGGACAAGGAAAGAGTAATTCGAGACTGTTATTACAGGCCCTCCAGGGGAA
TTTGTAATGCCTTTGATGATCTCTGTCTGCTTATCCGTGATGAAAACTTATGCACCAC
CAAGGTGAGTGTGCAGGCCACCAACTGCCAAAAATATTCTGTACCACTCTGCATCGAT
GGAAATCCAGTACTCTTGTCTCACCACAATGTAATGGGCGACTACCGATTTTTTGACCAT
CAAAGCAAACCTTTCTTTCAAATATTACCTGCTTCAAATCAGCTGAAAGACATCCAAAGT
CATGGTATCATTGAGAATGAGGCAGAATACCTGAGAGTTGTTCTTCTGTGCGCCTAAAA
CTGTATGTGAATGACCACTATCCAAAAGGAAATTGCAACATGCTGAGAAAACTGTCAA
AGTAAGGAGTACTTGATAGCTTGCAATTGAAGATCACAACTATGAAACAGGAGAGTGCTGG
AACGGACTTTGGAAATCTAAATGGATTTTCCAAGTTAACCATTCTAACCCAAGTAACG
GGAAGAATATTTGTGCAAGCTCACTTCTCAGGTGTGCAACCTTCATATTGAAATATCC
AAGGACCTGAAAGAAAGCTTGGAAATAGTTAACCAAGCTCAACTGGCTCTAAGTTTTGCA
AGGCTTGTGGAAGAGCAAGAGAACAAATTTCAAGCTGCAGTCTTGGAGAATTACAGGAG
TTATCCAATGAAGCCCTGAGAAAAATTCTACGAAGGGATCTTCCAGTGACCCGCACTCTT
ATTGACTGGCACAGGATACTCTGACTTGAATCTGGTGTATCCTAAATTAGGATAT
GTCATTTATTCAAGAAGTGTGTTGTGCAACTGGATAATATAAAGAATTGCTCCTGGTAAC
TAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033328 unedited NGTTCAGTTCATAATTGTATACCATCATATAGGCGGCCGCATAACTTCGTATAGCATACA TTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTTCGAGAGCGGATCG GGAGGCTCAGACCTTGCCAGACTGCCTGCTTTCATGGATAGACATAAAAACTTCAGCTT GAATGTTAACACCTTGATGGGAAAGGTGGCTCATGGAATGTTTTCTTATCCTTTGAACAC TCCTCATTTCAGAAGCTTTGCTTCTGTTGCAACCAACATGACACTTAGCGTGCTGAGCA GGAAGGACAAGGAAAGAGTAATTGCGAGACTGTTATTACAGGCCCTCCAGGGGAATTTG TAAATGCCTTTGATGATCTCTGTCTGCTTATCCGTGATGAAAACTTATGCACCACCAAG GTGAGTGTGCAGGCCACCAACACTGCCAAAAATATTCTGTACCACTCTGCATCGATGGAA ATCCAGTACTCTGTCTCACCACAATGTAATGGGCGACTACCGATTTTTTTGACCATCAA GCAAACCTTTCTTCAAATATTACCTGCTTCAAAATCAGCTGAAAGACATCCAAAGTCATG GTATCATTGAGAATGAGGCAGAATACCTGAGAGTTGTTCTTCTGTGCGCCTTANAAGTGT ATGTGAATGACCACTATCCAAAAGGAAATTGCAACATGCTGAGAAAACTGTCAAAGTA AGGAGTACTTGATAGCTTGCATTGAAGATCACAACATGAAACAGGAGAGTGCTGGAACG GACTTTGGAAATCTAAATGGATTTTCCAAGTTAACCCATTTCTAACCCAGTAACGGGAA GAATATTTGTGCAAGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_033328
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:	NM_033328.2 , NP_201585.1
RefSeq Size:	1085 bp
RefSeq ORF:	900 bp
Locus ID:	93661
UniProt ID:	Q96KX2
Cytogenetics:	12p12.3

Gene Summary:

This gene encodes an actin capping protein, one of the F-actin capping protein alpha subunit family. The encoded protein is predominantly localized to the neck region of ejaculated sperm, other immunohistochemical signals were found in the tail and postacrosomal regions. The encoded protein may also form heterodimers of alpha and beta subunits. This protein may be important in determining sperm architecture and male fertility. [provided by RefSeq, Jul 2008]