

Product datasheet for **RG205556**

Calicin (CCIN) (NM_005893) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calicin (CCIN) (NM_005893) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Calicin
Synonyms:	BTBD20; KBTBD14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205556 representing NM_005893
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAATTGGAATTCACGGAGAAAACTACAATAGCTTCTGTGCTGCAGAACCTGAACAGACAGAGGAAAC
 GCAAAGAGTACTGGGACATGGCCCTGAGTGTGGACAACACGCTTCTTTGCACATCGCAATGTGCTGGC
 TGCTGTCTCCCCACTGGTGGAGCCTCATCTCCAGCAATGACATGAAGACCGCTGATGAGCTTTTCATC
 ACCATTGACACCAGTTACCTGAGCCCGGTACAGTGGACCAGCTTCTGGACTACTTCTATAGCGGAAGG
 TGGTGATCTCCGAGCAAAATGTGGAGGAGCTGCTTCTGGGGCTCAGTATTTCAACACACCACGCTTCC
 AGTTCACTGTAACGACTTCTTATTAAGTCCATCTGCCGTGCCAAGTCTTGGCTACCTCTTGGCT
 GAGCTGTTTGGCTCAAAGAGGTATCAGACGTAGCTTACTCTGGCATTCCGGACAACCTCCACTACTGGG
 CCAGTCTGAGGGCTCCATGCATTCATGCGCTGTCCACCTGTTATCTTTGGCCGCTGCTCCGTGATGA
 AAACCTTCACGTGCTCAATGAAGACCAGGCGCTCAGCGCACTCATCAATGGGTGTAATCCGGAAGGAG
 GATCGGGAGAAGTATTTCAAGAAGTTCTCAATTACATCAATCTCAATGCTGCTCCAATAAGACGCTGG
 TTTTTGCCAGCAACAAGCTGGTGGGCATGGAGAACACCTCATCCCATACAAACCTGATTGAGAGTGTCT
 GATGGACCGCAAGCAGGAGCGGCCATGCAGCCTGCTGGTCTACCAGCGGAAAGGGGCCCTGCTTGATTCC
 GTGGTCATCCTCGGTGGCCAGAAGGCCACGGCCAGTTCAATGATGGAGTGTGGCTTATATCATCCAGG
 AGAACCTGTGGATGAAGCTCTCAGACATGCCCTATCGGGCAGCAGCACTTAGTGCCACCTGCTGGTGC
 CTACATCTACATCTCTGGTGGCACCCTGAGCAGATTTCCAGGGCTGAAGACAGCCTGGCGGTATGACATG
 GATGACAACCTCTGGACCAAGTTGCCTGACCTGCCATCGGGCTGTCTCCACACCATGGTGACCTGTG
 GGGGACAGTGTACTCAGTGGCGGGAGCATTGCCCAAGGCGGTATGTCTCCAACATCATCGCTATGA
 TGAGCGGAAGGAAGTCTGGTGCCTGGCAGGAAAGATGAGCATCCCCATGGATGGCACCAGCGCTGATCACT
 AAAGGAGACAGGCATCTGTACATTGTACTGGACGGTGGTTGGTAAAAGTTATATCTCCCGGGTGGGG
 TAGTGGACTGCTTTGACACCAGCACTGGGGACGTGGTCCAGTGTATCACCTTCCCCATTGAGTTCAACCA
 TCGGCCCTGCTCTTTTCCAACAGGACAACATCCTCTGCGTGCACAGCCACCGGAGAGTGTGGAAATC
 AATCTGCAGAAGGTGAAGGCAAGCAAGACGACCACCTCAGTGCCTGTCTTGGCCAAACAGCTGCCCTTGG
 ATGTGTCCATGCTATATGCTCCATTGGAGACAGCAAGGTGTTTGTATGTGGGGTGTACCACCTGCCAG
 CGATGTCCAGACAAAGGACTACACCATCAATCCAATGCCTTCTTGTGGACAAAAGACAGGCAAGTGG
 AAGACCCTGGCTCTCCACCAGAGGCACCTGGACTGTCCTGCTGTCTAGCCAAGCTACCTTGAAGA
 TTCTTCAAAGGATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205556 representing NM_005893
 Red=Cloning site Green=Tags(s)

MKLEFTEKNYNSFVLQNLNRQRKRKEYWDMALSVDNHVFFAHRNVLA AVSPLVRS LISSNDMKTADELFI
 TIDTSYLSPVTV DQLLDYFYS GKVVISEQNVEELLRGAQYFNT PRLRVHCNDFLIKSI CRANCLRYLFLA
 ELFELKEVSDVA YSGIRDNFHYWASPEGSMHFMRCPPVIFGRLLR DENLHVLNEDQALSALINWVYFRKE
 DREKYFKKFFNY INLNAVSNKTLVFASNKLVGMENTSSHTT LIESVLM DRKQERPCSLLVYQRKGALLDS
 VVILGGQKAHGQFNDGVFAYIIQENLWMLSDMPYRAAAL SATSAGRYIYISGGTTEQISGLKTAWRYDM
 DDNSWTKLPDLPIGLVFHTMVTCCGTVYSVGGSIAPRRYVSN IYRYDERKEVWCLAGKMSIPMDGTAVIT
 KGDRHLYIVTGRWL VKGYISRVGVVDCFDTSTGDVVQCITFP IEFNHRPLL SFQQDNILCVHSHRQSVEI
 NLQKVKASKTTTT SVPVLPNSCPLDVSHAICSIGDSKVFVCGGVTTASDVQTKDYTINPNAFLLDQKTGKW
 KTLAPPPEALDCPACCLAKLPCKILQRI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_005893

ORF Size: 1764 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_005893.1](#), [NP_005884.1](#)

RefSeq Size: 1930 bp

RefSeq ORF: 1767 bp

Locus ID: 881

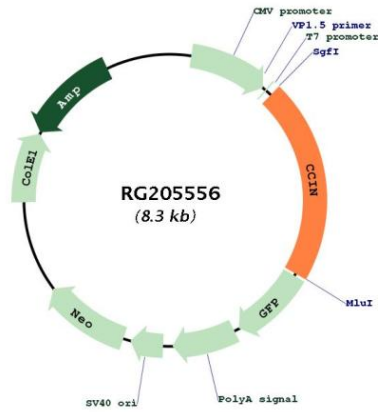
UniProt ID: [Q13939](#)

Cytogenetics: 9p13.3

Gene Summary:

The protein encoded by this gene is a basic protein of the sperm head cytoskeleton. This protein contains kelch repeats and a BTB/POZ domain and is necessary for normal morphology during sperm differentiation. This gene is intronless. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205556