

Product datasheet for **RG208715**

CASZ1 (NM_017766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CASZ1 (NM_017766) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CASZ1
Synonyms:	CAS11; CST; dj734G22.1; SRG; ZNF693
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208715 representing NM_017766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTTGAACAGCTGAGGGCACCCGGTGCACGGACCCGCCTGCAGGCAAGCCGCCATGGCGCCA
AACGCAAGGGTGGCCTGAAGCTGAACGCCATCTGCCCAAGCTGAGCCGCCAGGTGGTGGAGAAGCG
AGCTGACGCCGGCTCCCACACGGAGGGCAGCCATCGCAGCCCCGGACCAAGAGCGCAGTGGCCCTGAG
TCTGGGGCAGCCCGGCCCCCCGCAGCGAGGAAGACAAGAGACGGGCAGTGATCGAGAAGTGGGTGAACG
GGGAGTACAGCGAGGAGCCGGCACCCACACCCGTGTTGGGGCGGATTGCCCGCAGGGCCCTGGAGCTGCC
TCCCGAGGGTGTCTACATGGTGCAGCCCCAGGGGTGCAGCGATGAGGAAGACCACGCGGAGGAGCCCTCC
AAGGACGGCGGTGCCCTGGAGGAGAAGGATTTCGGACGGGGCAGCCTCCAAGGAGGACAGCGGCCCCAGCA
CCAGGCAGGCTTCAGGAGAGGCCTCCTCGCTGCGGGACTACGCGGCTCCACCATGACCGAGTTCCTCGG
CATGTTTGGCTATGATGACCAGAACACGCGGGACGAGCTGGCCAGGAAGATCAGCTTTGAGAAGCTGCAC
GCGGGCTCCACCCCGGAGGCAGCCACCTCCTCCATGCTGCCACCTCCGAGGATACCTCAGCAAGCGGG
CGCGGTTCTTAAGTATGAGGAGTACATCCGAAGCTCAAGCTGGCGAGCAGCTCTCCTGGCCGGCCCC
CAGCACCAAGACCGAGGAGCGGGTGGCAAGGAGGTGGTGGCACCCCTGCCCGGCTGCGGCTGCCCAGC
AGCACGGCCACCTGGAGACCAAGGCCACCATCCTGCCCTGCCCTGCACAGCAGTGTCCAGATGCAGA
ACCTGGTAGCCCCGGCCTCCAAGTACGACTTCTTCATCCAAAACTGAAGACCGGCGAGAATCTGCGGCC
CCAGAACGGGAGCACCTACAAGAAGCCATCCAAGTACGACCTGGAGAATGTCAAGTACCTGCACCTCTTC
AAACCCGGGAGGGCAGCCCCGACATGGCGGGGCCATCGCCTTCAAGACAGGCAAGGTGGGGCGCCCTT
CCAAGTACGACGTCGGGGCATCCAGAAGCCAGGCCCGCAAGGTTCCGCCACCCCCAGCCTGGCTCC
CGCACCCCTCGCCAGCGTGCCAGTGGCCCCAGCGCCCCGGGCCAGGGCCAGAGCCTCTGCCTCCCTG
TCCTTCAACACTCCCGAGTACCTGAAGTCAACCTTCTCCAAAACAGACTCCATCACCACGGGGACCGTCT
CCACTGTCAAGAACGGACTGCCACAGATAAACCAGCCGCTCACTGAAGATGTAACATTTACCAGAAATA
TATTGCCAGGTTCTCGGCAGCCAGCACTGTGGCCACATCCACTGTGCCTACCAGTACCGGAGCACTAC



CACTGCCTTGACCCTGAGTGTAACCTACCAGAGTTTACAGTAAGCAGGACGTGATCCGCCACTACAACA
TGACAAGAAGCGGACAACTCCCTGCAGCAGCGTTCATGCGTTTCAGCCCGCTGGACGACTGCAGCGT
CTACTACCACGGCTGCCACCTCAATGGGAAGAGCACCCACTATCACTGCATGCAGGTGGGCTGTAACAAG
GTGTACACGAGCACGTCTGACGTGATGACCACGAGAACTCCACAAGAAGAATACCCAGCTCATTAACG
ACGGCTTCCAGCGCTCCGAGCCACCGAAGACTGTGGCACAGCCGACTGCCAGTTCTACGGACAGAAGAC
CACGCACTTCCACTGCAGGCGCCCGGCTGCACATTCATTTCAAGAACAAGTGTACATCGAGAAGCAC
AAGAGCTACCACATCAAGGACGATGCCTACGCCAAGGACGGCTTCAAGAAGTTCTACAAGTACGAGGAGT
GCAAGTACGAGGGCTGCGTGTACAGCAAGGCTACCAACCACTTCCACTGCATCCGCGCCGGCTGCGGCTT
CACCTTCACTCCACCAGCCAGATGACCTCTACAAGCGCAAGCATGAGCGCCGGCACATCCGCTCTCG
GGCGCGTGGGGCTGCCGCCCTCGTGCTGGGCGCAAGGACACGGAGCACGAGGAGTCCAGCAACGACG
ACCTTGTGACTTCTCCGCCCTGAGCAGCAAGAATCCAGCCTGAGCGCCTCCCCACCAGCCAGCAGTC
CTCTGCGTCCCTGGTGCCGCACTGCCGCCACCGAGGCTGGGCCAGTGCCACCAAACCTCCCAACAGC
AAGATCTCGGGGTGCTGCCCCAGGGCTGCTGGCTCGATCCCCCTGGCCCTGGCCCTCTCAACTCGG
GCCTGCCACCCACGCCCTACTTCCCATACTGGCTGGCCGTGGGAGCACCTCCCCGCTGTGGGCAC
CCCCAGCTCCTGGGTGCGTGTGCTGGGTGAGCAGCCTCAGCCACCCTGACACACCACGCTGGTC
GCCTCGGGAGCTGGAGACTCAGCCCCGCTGGCTGCCGCCCTGTGCCGGCACCCCGCCTCCATCATGG
AGAGGATCTCTGAAGCAAGGGCTCATCTCGCCATGATGGCCAGGCTGGCTGCAGTGCCTTAAAGCC
CTCTGCCACCTTTGACCCAGGAAGCGGGCAGCAGGTACCCACAGCCAGGTTCCCCCGGCCAAAGTGAAG
CCGGAACCCGGTGAGAGCACCGGCGCCCGAGGCCCCACGAAGCCTCCAGGACCCGAGTCTAGACCTGA
CTGTGAAGGAGCCAGCAACGAATCAAATGGCCACGCAGTCCCGGCAAATTCATCTCTTTTATCCTCGCT
TATGAATAAGATGTCTCAGGGCAACCCTGGCCTGGGCAGCCTGCTGAACATCAAGGCGGAAGCGGAGGGG
AGCCCCGCTGCGGAGCCCTCGCCCTTCTAGGCAAGGCCGTGAAGGCGCTGGTTCAGGAGAAGTTGGCAG
AGCCCTGGAAGGTGTACCTGCGCAGGTTTGGTACAAAGGACTTCTGTGACGGCCAGTGTGACTTCTCCA
CAAGGCCCACTTCCACTGCGTGGTGGAGGAATGCGGCGCGCTTTCAGCACCTTGACGGGCCATCAAG
CACGAAACTTCCACTTCCGACAGAGGGAGGAGCAGAAAAGGAAACACAGAGGCTGCCTTTCCGGCCT
CGGCCCGGAGACCAAACCTCCCATGGCCCCCTCGTCCCCTCCGGTCCCTCCTGTACCACGGCCACGGT
GTCCTCTGAGGGGGCCGCTCCAGCCCGGCTCCGTGCCCTCACCCCCACCCTGCTCGCCTGGAAG
CAGCTGGCTTCCACCATACCCCAGATGCCTCAGATCCCAGCGTCAGTGCCTCACCTGCCCGCTCGCCCT
TGGCAACGACTTCTAGAGAACGCAAGCCCCAGGTCAAACCCGATTCTCCAGTTCAGGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208715 representing NM_017766
Red=Cloning site Green=Tags(s)

```
MDLGTAEGRCTDPPAGKPAMAPKRKGGGLKLNACAKLSRQVVVEKRADAGSHTEGSPSQPRDQERSGPE
SGAARAPRSEEDKRRAVIEKWNGEYSEEPATPVLGRIAREGLELPPEGVYMQPQGCSDDEEDHAEPS
KDGGAEKSDGAASKEDSGPSTRQASGEASSLRDYAASTMTEFLGMFGYDDQNTRELDARKISFEKLH
AGSTPEAATSSMLPTSEDTLSKRARFSKYEEYIRKLRKAGEQLSWPAPSTKTEERVGKEVGTLPGLRLPS
STAHLETKATILPLPSHSSVQMQLVARASKYDFFIQKLKTGENLRPQNGSTYKKPSKYDLENVKYLHLF
KPGEGSPDMGGAI AFKTKGVGRPSKYDVIRGIQKPGPAKVPPTPSLAPAPLASVPSAPSAPGPEPPASL
SFNTPEYLKSTFSKTDSTITGTVSTVKNGLPTDKPAVTEVDNIYQKYIARFSGSQHCGHIHCAYQYREHY
HCLDPECNQRFRTSKQDVI RHYNMHKRDNSLQHGMRF SPLDDCSVYYHGCHLNGKSTHYHCMQVGCNK
VYTSTSDVMTHENFHKKNTQLINDGFQRFATEDCGTADCQFYGQKTTTHFCRRPGCTFTFKNKCDIEKH
KSYHIKDDAYAKDGFKKFYKYECKYEGCVYSKATNHFHCIRAGCGFTFTSTSQMTSHKRKHERRHIRSS
GALGLPSSLGAKDTEHEESSNDDL VDFSALSSKNSSL SASPTSQSSASLAAATAATEAGPSATKPPNS
KISGLLPQGLPGSIPLALAL SNSGLPTPTYFPILAGRGSTSPPVGTPSLLGAVSSGSAASATPDPTLV
ASGAGDSAPVAAAASVPAPPASIMERISASKGLISPMARLAAAALKPSATFDPGSQQVTPARFPPAQVK
PEPGESTGAPGPHEASQDRSLDLTVKEPNE SNGHAVPANSLLSSL MNKMSQGNPGLGSLLNKAEAE
SPAAEPSFLGKAVKALVQEKLAEPWKVYLRRFGTKDFCDGQCDFLHKAHFHCVVEECGALFSTLDGAIK
HANFHFRTEGGAAGNTEAAFPASAAETKPPMAPSSPPVPPVTTATVSSLEGPAPSPASVPSTPTLLAWK
QLASTIPQMPQIPASVPHLPASPLATTSLENAKPVKPGFLQFQEK
```

TRTRPLE - GFP Tag - V

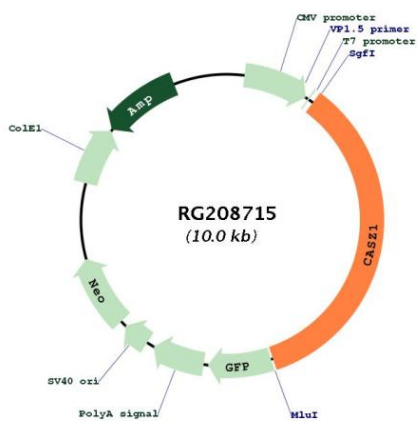
Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_017766
ORF Size: 3498 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:	<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_017766.3 , NP_060236.3
RefSeq Size:	4421 bp
RefSeq ORF:	3501 bp
Locus ID:	54897
UniProt ID:	Q86V15
Cytogenetics:	1p36.22
Gene Summary:	The protein encoded by this gene is a zinc finger transcription factor. The encoded protein may function as a tumor suppressor, and single nucleotide polymorphisms in this gene are associated with blood pressure variation. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG208715