

Product datasheet for RC208715

CASZ1 (NM_017766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CASZ1 (NM_017766) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CASZ1
Synonyms:	CAS11; CST; dj734G22.1; SRG; ZNF693
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208715 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTTGAACAGCTGAGGGCACCCGGTGCACGGACCCGCCTGCAGGCAAGCCGCCATGGCGCCA
AACGCAAGGGTGGCCTGAAGCTGAACGCCATCTGCCCAAGCTGAGCCGCCAGGTGGTGGAGAAGCG
AGCTGACGCCGGCTCCCACACGGAGGGCAGCCATCGCAGCCCCGGGACCAAGAGCGCAGTGGCCCTGAG
TCTGGGGCAGCCCGGCCCCCGCAGCGAGGAAGACAAGAGACGGGCAGTGATCGAGAAGTGGGTGAACG
GGGAGTACAGCGAGGAGCCGGCACCCACACCCGTGTTGGGGCGGATTGCCCGCAGGGCCCTGGAGCTGCC
TCCCGAGGGTGTCTACATGGTGCAGCCCCAGGGGTGCAGCGATGAGGAAGACCACGCGGAGGAGCCCTCC
AAGGACGGCGGTGCCCTGGAGGAGAAGGATTTCGGACGGGGCAGCCTCCAAGGAGGACAGCGGCCCCAGCA
CCAGGCAGGCTTCAGGAGAGGCCTCCTCGCTGCGGGACTACGCGGCTCCACCATGACCGAGTTCCTCGG
CATGTTTGGCTATGATGACCAGAACACGCGGGACGAGCTGGCCAGGAAGATCAGCTTTGAGAAGCTGCAC
GCGGGCTCCACCCCGGAGGCAGCCACCTCCTCCATGCTGCCACCTCCGAGGATACCTCAGCAAGCGGG
CGCGGTTCTTAAGTATGAGGAGTACATCCGCAAGCTCAAGGTGGCGAGCAGCTCTCCTGGCCGGCCCC
CAGCACCAAGACCGAGGAGCGGGTGGGCAAGGAGGTGGTGGCACCCCTGCCCGGCTGCGGCTGCCCAGC
AGCACGGCCACCTGGAGACCAAGGCCACCATCCTGCCCTGCCCTGCACAGCAGTGTCCAGATGCAGA
ACCTGGTAGCCCCGGCCTCCAAGTACGACTTCTTCATCCAAAACTGAAGACCGGCGAGAATCTGCGGCC
CCAGAACGGGAGCACCTACAAGAAGCCATCCAAGTACGACCTGGAGAATGTCAAGTACCTGCACCTCTTC
AAACCCGGGGAGGGCAGCCCCGACATGGGCGGGCCATCGCCTTCAAGACAGGCAAGGTGGGGCGCCCTT
CCAAGTACGACGTCGGGGCATCCAGAAGCCAGGCCCCGCAAGGTTCCGCCACCCCCAGCCTGGCTCC
CGCACCCCTCGCCAGCGTGCCAGTGCCCCAGCGCCCCGGGCCAGGGCCAGAGCCTCTGCCTCCCTG
TCCTTCAACACTCCCGAGTACCTGAAGTCAACCTTCTCCAAAACAGACTCCATCACCACGGGGACCGTCT
CCACTGTCAAGAACGGACTGCCACAGATAAACCAGCCGCTCACTGAAGATGTAACATTTACCAGAATA
TATTGCCAGGTTCTCGGGCAGCCAGCACTGTGGCCACATCCACTGTGCCTACCAGTACCGGAGCACTAC



CACTGCCTTGACCCTGAGTGTAACCTACCAGAGGTTACAGAGTAAGCAGGACGTGATCCGCCACTACAACA
TGACAAGAAGCGCGACAACCTCCCTGCAGCAGCGCTTCATGCGTTTCAGCCCGCTGGACGACTGCAGCGT
CTACTACCACGGCTGCCACCTCAATGGGAAGAGCACCCACTATCACTGCATGCAGGTGGGCTGTAACAAG
GTGTACACGAGCACGTCTGACGTGATGACCACGAGAACTCCACAAGAAGAATACCCAGCTCATTAACG
ACGGCTTCAGCGCTCCGAGCCACCGAAGACTGTGGCACAGCCGACTGCCAGTTCTACGGACAGAAGAC
CACGCACTTCCACTGCAGGCGCCCCGGCTGCACATTCACTTTCAAGAACAAGTGTGACATCGAGAAGCAC
AAGAGCTACCACATCAAGGACGATGCCTACGCCAAGGACGGCTTCAAGAAGTTCTACAAGTACGAGGAGT
GCAAGTACGAGGGCTGCGTGTACAGCAAGGCTACCAACCACTTCCACTGCATCCGCGCCGGCTGCGGCTT
CACCTTCACTCCACCAGCCAGATGACCTCTACAAGCGCAAGCATGAGCGCCGGCACATCCGCTCCTCG
GGCGCGTGGGGCTGCCGCCCTCGTGCTGGGCGCAAGGACACGGAGCACGAGGAGTCCAGCAACGACG
ACCTTGTGACTTCTCCGCCCTGAGCAGCAAGAACTCCAGCCTGAGCGCCTCCCCACCAGCCAGCAGTC
CTCTGCGTCCCTGGTGCCGCCACTGCCGCCACCGAGGCTGGGCCAGTGCCACCAAACCTCCCAACAGC
AAGATCTCGGGGTGCTGCCCCAGGGCTGCTGGCTCGATCCCCCTGGCCCTGGCCCTCTCAACTCGG
GCCTGCCACCCACGCCCTACTTCCCATACTGGCTGGCCGTGGGAGCACCTCCCCGCTGTGGGCAC
CCCCAGCTCCTGGGTGCGTGTGCTGGGTGAGCAGCCTCAGCCACCCTGACACACCACGCTGGTC
GCCTCGGGAGCTGGAGACTCAGCCCCGTGGCTGCCGCCCTGTGCCCGCACCCCGCCTCCATCATGG
AGAGGATCTCTGAAGCAAGGGCTCATCTCGCCCATGATGGCCAGGCTGGCTGCAGTGCCTTAAAGCC
CTCTGCCACCTTTGACCCAGGAAGCGGGCAGCAGGTACCCCCAGCCAGGTTCCCCCGGCCAAAGTGAAG
CCGGAACCCGGTGAGAGCACCGGCGCCCCAGGCCCCACGAAGCCTCCAGGACCCGAGTCTAGACCTGA
CTGTGAAGGAGCCAGCAACGAATCAAATGGCCACGCAGTCCCGGCAAATTCATCTCTTTTATCCTCGCT
TATGAATAAGATGTCTCAGGGCAACCCTGGCCTGGGCAGCCTGCTGAACATCAAGGCGGAAGCGGAGGGG
AGCCCCGCTGCGGAGCCCTCGCCCTTCTAGGCAAGCCGTGAAGGCGCTGGTTCAGGAGAAGTTGGCAG
AGCCCTGGAAGGTGTACCTGCGCAGGTTTGGTACAAAGGACTTCTGTGACGGCCAGTGTGACTTCTCCA
CAAGGCCCACTTCCACTGCGTGGTGGAGGAATGCGGCGCGCTTTCAGCACCTTGACGGGCCATCAAG
CACGAAACTTCCACTTCCGACAGAGGGAGGAGCAGAAAAGGAAACACAGAGGCTGCCTTCCGGCCT
CGGCCCGGAGACCAAACCTCCCATGGCCCCCTCGTCCCCTCCGGTCCCTCCTGTACCACGGCCACGGT
GTCCTCTGTGAGGGGCCGCTCCAGCCCGGCTCCGTGCCCTCACCCCCACCCTGCTCGCCTGGAAG
CAGCTGGCTTCCACCATACCCCAGATGCCTCAGATCCCAGCGTCAGTGCCTCACCTGCCCGCTCGCCCT
TGGCAACGACTTCTAGAGAACGCAAGCCCCAGGTCAAACCCGATTCTCCAGTTCAGGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208715 protein sequence
Red=Cloning site Green=Tags(s)

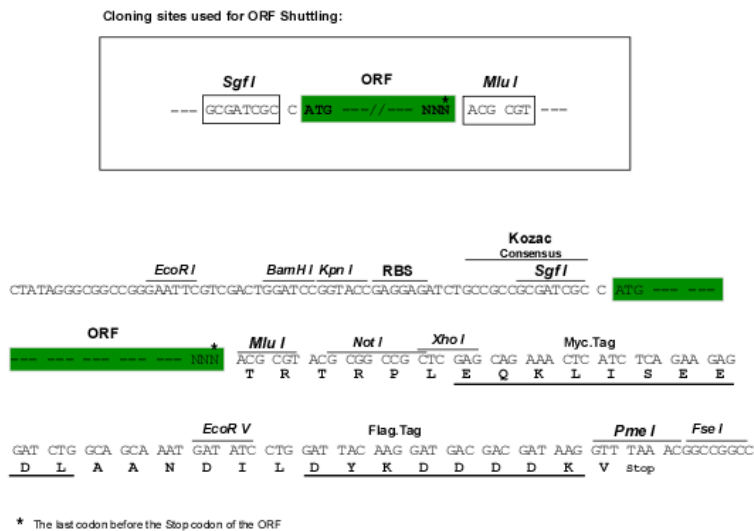
```
MDLGTAEGRCTDPPAGKPAMAPKRKGGGLKLNAI CAKLSRQVVVEK RADAGSHTEGSPSQPRDQERSGPE
SGAARAPRSEEDKRRAVIEKWNGEYSEEP APTPVLGRIAREGLELPPEGVYMQPQGCSD EEDHAEEPS
KDGGALEEKSDGAASKEDSGPSTRQASGEASSLRDYAASTMTEFLGMFGYDDQNT RDELARKISFEKLH
AGSTPEAATSSMLPTSEDTLSKRARFSKYEEYIRK LKAGEQLSWPAPSTKTEERVGKEVGTLPGLRLPS
STAHLETKATILPLPSHSSVQMQLVARASKYDFFI QLKKTGENLRPQNGSTYKPKSKYDLENVKYLHLF
KPGEGSPDMGGAI AFKTKGVGRPSKYDVIRGIQKPGPAKV PPTPSLAPAPLASVPSAPSAPGPGPEPPASL
SFNTPEYLKSTFSKTD SITTTGTVSTVKNGLPTDKPAVTE DVNIYQKYIARFSGSQHCGHIHCAYQYREHY
HCLDPECNYQRFTSKQDVIRHYNMHKRDNLSLQHGF MRF SPLDDCSVYYHGCHLNGKSTHYHCMQVGCNK
VYTSTSDVMTHENFHKKNTQLINDGFQRFRATEDCGT ADCQFYGQKTTTHFCRRPGCTFTFKNKCDIEKH
KSYHIKDDAYAKDGFKKFYKYECKYEGCVYSKATN HNFHCIRAGCGFTFTSTSQMTSHKRKHERRHIRSS
GALGLPSSLGAKDTEHEESSNDLVDF SALSSKNSSL SASPTSQSSASLAATAATEAGSATKPPNS
KISGLLPQGLPGSIPLALALSNSGLPTPTPYFPI LAGRGSTSPPVGT PSELLGAVSSGSAASATPDPTPLV
ASGAGDSAPVAAA SVPAPPASIMERISASKGLI SPMMARLAAAALKPSATFDPGSGQVTPARFPPAQVK
PEPGESTGAPGPHEASQDRSLDLTVKEPSNESNGH AVPANSSLLSSL MNKMSQGNPGLGSL LNIKAEAE
SPAAEPSFLGKAVKALVQEKLAEPWKVYLRRFGTK DFCGQCDFLHKAHFHCVVEECGALFSTLDGAIK
HANFHFRTEGGA AKGNTEAAFPASAAETKPPMAPS SPPVPPVTTATVSSLEGPAPSPASVPSTPTLLAWK
QLASTIPQMPQIPASVPHLPASPLATTSLENAK PQVKPGFLQFQEK
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6532_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

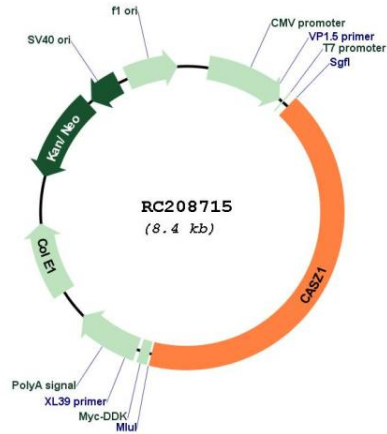


ACCN: NM_017766

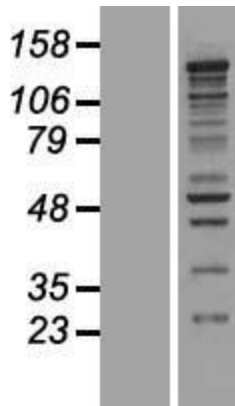
ORF Size: 3498 bp

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_017766.5
RefSeq Size:	4438 bp
RefSeq ORF:	3501 bp
Locus ID:	54897
UniProt ID:	Q86V15
Cytogenetics:	1p36.22
MW:	124.8 kDa
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 RC208715



Western blot validation of overexpression lysate (Cat# [LY413566]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208715 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).