

Product datasheet for **RG218916**

CASZ1 (NM_001079843) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CASZ1 (NM_001079843) 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: >RG218916 representing NM_001079843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCTTGAACAGCTGAGGGCACCCGGTGCACGGACCCGCCTGCAGGCAAGCCCGCCATGGCGCCCA
 AACGCAAGGGTGGCCTGAAGCTGAACGCCATCTGCCCAAGCTGAGCCGCCAGGTGGTGGGAGAAGCG
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CACTGCCTTGACCCTGAGTGTAACTACCAGAGGTTACAGAGTAAGCAGGACGTGATCCGCCACTACAACA
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AGGACGACGACGAGGACGACGACGACGAGGACCTGCGCACCGACTCGGAGGAGTCGCTGCCCGAGGCGGC
GGCGGAGGCGGGCGGGCGCGGCGCGACCCCGGCTTGGCGGCGCTGGCGGCCCTGGCGCCCCCGGC
CCCGCGCCCACTGCAGCCTCCTCGCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG218916 representing NM_001079843
Red=Cloning site Green=Tags(s)

MDLGTAEGRCTDPPAGKPAMAPKRKGLKLNIAICAKLSRQVVVEKRADAGSHTEGSPSQPRDQERSGPE
SGAARAPRSEEDKRRRAVIEKWNGEYSEEPAPTPVLGRIAREGLELPPEGVYMQPQGCSDCEEDHAEEPS
KDGGALEEKSDGAASKEDSGPSTRQASGEASSLRDYAASTMTEFLGMFGYDDQNTREDELARKISFEKLN
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HCLDPECNQRFRTSKQDVI RHYNMHKKRDNLSLQHGFMRF SPLDDCSVYHGHCHLNKSTHYHCMQVGCNK
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KSYHIKDDAYAKDGFKFKFYKYECKYEGCVYSKATNHFHCIRAGCGFTFTSTSQMTSHKRKHERRHIRSS
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SPAAEPSFLGKAVKALVQEKLAEPWKVYLRRFGTKDFCDGQCDFLHKAHFHCVVEECGALFSTLDGAIK
HANFHFRTEGGAAGNTEAAPPASAAETKPPMAPSPPVPPVTTATVSSLEGPASPASPSTPTLLAWK
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KNFDRVPPSQGPPGLMDAETDECMDYTGCSPGAMSESSTMDRSCSSTPVGNES TAAGNTISMPTASGAK
KRFWIIEDMSPFGKRRKTASSRKMLDEGMMLGFRFRFDLYEDCKDAACQFSKLVTHYHCTRENCGYKFCG
RTHMYKHAQHHRVDNLVLDLDFKRFKASLSCHFADCPFSGTSTHFHCLRCRFRCTDSTKVTAHRKHGKQ
DVI SAAGFCQFSSADCAVPDCKYKLC SHFHCTFPGCRHTVVGMSQMDSHKRKHEKQERGEREPAEAGPAP
GPPISLDGSLSLGAEPGSLFLQSAAGLGLALGDAGDPGPPDAAAPGREGAAAAAAGESSQEDEEE
ELELPEEEAEDDEDEDDDEDDDEDDDEDLRTDSEESLPEAAAAEAGAGARTPALAALAALGAPG
PAPTAASSP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001079843
ORF Size:	5277 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_001079843.3
RefSeq Size:	7964 bp
RefSeq ORF:	5280 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]