

Product datasheet for **MG206423**

Cas1 (BC035954) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cas1 (BC035954) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cas1 |
| Synonyms: | 2410019P08Rik; AV096627; BC040081; Cst; D4Ertd432e |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG206423 representing BC035954 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGAGGATGCTGGGAAGAAGCTTTGACCGAGTGCCCCATCCCAGGGTCCCCGAGCCTAATGGATG
CCGAGACAGACGAGGGCATGGACTATACAGGCTGTAGCCCTGGAGCGGCTCCTCAGAGTCTCCACCAT
GGACCGTAGCTGTTCCAGCACCCCTGTGGCAATGAGAGCACAGCTGCAGGGAACACCATCTCCATGCCG
ACAGCCTCGGGGCCAAAAAGCGCTTTTGGATCATCGAGGACATGTCTCCCTTTGGCAAGCGAAGGAAGA
CAGCCTCGTCTCGGAAGATGCTGGACGAGGGCATGATGCTGGAGGGTTTCCGGCGCTTTGACCTCTATGA
GGACTGCAAGGATACAGCCTGCCAGTTCTCACTCAAGGTACCCACTACCACTGCACGCGGAAAAGTGC
GGCTACAAGTTTTGCGGACGCACGCACATGTACAAGCACGCACAGCACCACGACCGCTGGACAACCTGG
TGCTGGACGACTTCAAGCGCTTCAAGGCCTCCCTCAGCTGCCACTTCGCCGACTGCCGTTCTCGGGCAC
CAGCACGCACTTCCACTGCCTGCGCTGCCGCTTCCGTTGCACAGACAGCACAAGGTCACTGCGCACCCG
AAGCACCGCAAGCAGGACGTGATCAGCGCCGCTGGCTTCTGCCAGTTCAGCTCGAGCGCCGACTGCG
CAGTGCCCGACTGCAAGTACAAGCTCAAGTGCTCGCACTTCCACTGCACCTATCCGGGTGTCGCCACAC
AGTGGTGGGCATGTCGCAGATGGACTCGCACAAGCGCAAGCACGAGAAGCAGGAGCGAGGGGAGCCTCCC
GCAGCCTCTCCGGGTGCGCCTGTCAACCTGGACGGCTCCCTCAGCTGGCCGCGAGCAGGGCTCGTGC
TCTTCTGCAGACAGCGCTGCGGGCCTAGGCCTGCTCGGGGACACGGGGACCCCGGCCACCTGTCA
CGCCTCCGGGACTCGGGACGGCCCGCTGCGCCACCCCGCTGCGCCGCCACCACCACCACCACCACC
ACAGCCACAGCCACAGCCACCGCTGGGAGTCTCCCAAGAGGACGACGAGGAGCTGGAGCTGCCGAGG
AGGAGGCCGAGGACGACGACGAGGATGACGATGAAGAGGACGACGACGAGGATGATGATGATGATGA
CGACGACGAGGACCTGCGCACCGACTCGGAGGAGTCGTTGCCGAGGCTGCGGGCAGGGCGGGCGCGG
ACCCCGCTGGCAGCCCTGGGTGGCCCGGCCCTGCGCCACCCGCCGATCACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206423 representing BC035954
 Red=Cloning site Green=Tags(s)

MRRMLGKNFDRVPPSQPPSLMDAETDEGMDYTCSPGAASSESTMDRSCSSTPVGNESTAAGNTISMP
 T ASGAKKRFWIIEDMSPFGKRRKTASSRKMLDEGMMLEGFRFDLYEDCKDTACQFSLKVTHYHCTRENC
 GYKFCGRTHMYKHAQHHRVDNLVLDDFKRFKASLSCHFADCPFSGTSTHFHCLRCRFRCTDSTKVTahr
 KHHGKQDVI SAAGFCQFSSADCAVPDCKYKLCSHFHCTYPGCRHTVVGMSQMDSHKRKHEKQERGEPP
 AASPGAPVNL DGS LTLAAEQGSL LFLQTAAAGL LLLGDTGDPGPPVTASGTRDGPAAAPTAAAATTTTTT
 TATATATAGESSQEDDELELEPEEEAEDDEDDDEEDDDDDDDDDDLRTDSEESLPEAAGEAGAR
 TPLAALGGPGPAPTAASP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC035954

ORF Size: 1229 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: [BC035954](#), [AAH35954](#)

RefSeq Size: 2091 bp

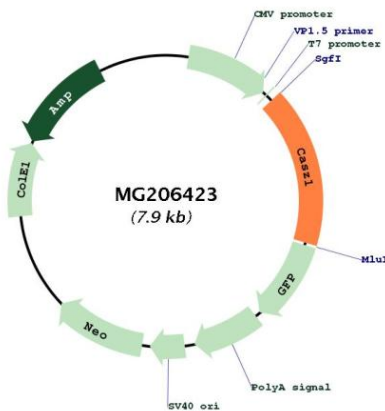
RefSeq ORF: 1229 bp

Locus ID: 69743

Cytogenetics: 4 78.87 cM

Gene Summary: Transcription factor involved in vascular assembly and morphogenesis through direct transcriptional regulation of EGFL7.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206423