

Product datasheet for MR206423

Cas1 (BC035954) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cas1 (BC035954) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cas1
Synonyms:	2410019P08Rik; AV096627; BC040081; Cst; D4Ertd432e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206423 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTATACAGGCTGTAGCCCTGGAGCGCGTCTCAGAGTCTCCACCATGGACCGTAGCTGTTCCA
GCACCCCTGTGGCAATGAGAGCACAGCTGCAGGGAACACCATCTCCATGCCGACAGCCTCGGGGCCAA
AAAGCGCTTTGGATCATCGAGGACATGTCTCCCTTTGGCAAGCGAAGGAAGACAGCCTCGTCTCGGAAG
ATGCTGGACGAGGGCATGATGCTGGAGGGTTCCGGCGCTTTGACCTCTATGAGGACTGCAAGGATACAG
CCTGCCAGTTCTCACTCAAGGTACCCACTACCACTGCACGCGGAAAACCTGCGGCTACAAGTTTTGCGG
ACGCACGCACATGTACAAGCACGCACAGCACCAGACCGCGTGGACAACCTGGTGTCTGGACGACTCAAG
CGTTCAAGGCCTCCCTCAGCTGCCACTTCGCCGACTGCCCGTTCTCGGGCACCAGCACGCACTTCCACT
GCCTGCGCTGCCGTTCCGTTGCACAGACAGCACCAAGGTCACTGCGCACCAGCAAGCACCACGGCAAGCA
GGACGTGATCAGCGCCGCTGGCTTCTGCCAGTTCAGCTCGAGCGCCGACTGCGCAGTGCCCGACTGCAAG
TACAAGCTCAAGTGCTCGCACTTCCACTGCACCTATCCGGGTGTGCGCACACAGTGGTGGGCATGTCGC
AGATGGACTCGCACAAGCGCAAGCACGAGAAGCAGGAGCGAGGGGAGCCTCCCGCAGCCTCTCCGGGTGC
GCCTGTCAACCTGGACGGCTCCCTCACGCTGGCCGCCAGCAGGGCTCGTGCTTCTCTGCAGACAGCG
GCTGCGGGCTAGGCTGCTCGGGGACACGGGGACCCCGCCACCTGTCACCGCTCCGGGACTCGGG
ACGGCCCCGCTGCGCCCACCCCGCTGCCGCCACCACCACCACCACCACACGCCACAGCCACAGC
CACCGCTGGGAGTCTCCCAAGAGGACGACGAGGAGCTGGAGCTGCCGAGGAGGAGGCGGAGGACGAC
GACGAGGATGACGATGAAGAGGACGACGACGAGGATGATGATGATGATGACGACGACGAGGACCTGC
GCACCGACTCGGAGGAGTCGTTGCCGAGGCTGCGGGCGAGGCGGGCGCGGACCCCGCTGGCAGCCCT
GGGTGGCCCCGGCCCTGCGCCCACCGCCGATCACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR206423 protein sequence
 Red=Cloning site Green=Tags(s)

MDYTGCSPGAASSESTMDRSCSSTPVGNESTAAGNTISMPTASGAKKRFWIIEDMSPFGKRRKTASSRK
 MLDEGMMLEGFRRFDLYEDCKDTACQFSLKVTHYHCTRENCGYKFCGRTHMYKHAQHHDVNDLVLDLDFK
 RFKASLSCHFADCPFGSTSTHFHCLRCFRCTDSTKVT AHRKHGKQDVI SAAGFCQFSSSADCAVPDCK
 YLKCASHFHCTYPGCRHTVVGMSQMDSHKRKHEKQERGEPPAASPGAPVNLDGSLTLAAEQGSLFLQTA
 AAGLGLLDGTDGDPGPVVTASGTRDGPAAPTPAAAATTTTTTTATATATAGESSQEDDELELPEEEAEDD
 DEDDDEEDDDDDDDDDDEDLRTDSEESLPEAAGEAGARTPLAALGGPGPAPTAAASP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC035954

ORF Size: 1227 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

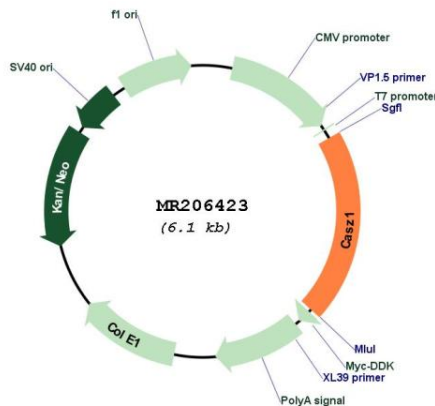
Locus ID: 69743

Cytogenetics: 4 78.87 cM

MW: 44 kDa

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 MR206423