

Product datasheet for **RC230529**

CAGE1 (NM_001170692) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAGE1 (NM_001170692) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CAGE1
Synonyms:	bA69L16.7; CT3; CT95; CTAG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC230529 representing NM_001170692
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACAAGGACTATCAAAAATTTGGTCATCACCTTCAGATCCTGTACATTTTGAAGTGGATACTTCTC
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CTTGAGACAAATTTGAAACGTTTGCAAATTTCACTGGGTAGAAGCATTGATGATGAAATGACAGAGAAG
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CCTAAATTTGAGACAGCTCAGTTAAAGGATCAATTAGAGGAAGTCTTGAAGTCAGATATTACCAAGGATA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230529 representing NM_001170692
Red=Cloning site Green=Tags(s)

MNKDYQKFWSSPDPVHFEVDTSHEKVESMSESDTMNVSNLSQGVMLSHSPICMETTGTTCDLPQNEIKN
FERENEYESTLCEDAYGTLNLLNDNNIENYSTNALIQPVDTISISSLRQFETVCKFHWEAFDDEMTEK
PEFQSQVYNYAKDNNIKQDSFKEENPMETSVSANTDQLGNEYFRQPPRSPPLIHCSGEMLKFTKSLAK
SIAKESALNPSQPPSFLCKTAVPSKEIQNYGEIPEMSVSYEKEVTAEGVERPEIVSTWSSAGISWRSEAC
RENCEMPDWEQSAESLQPVQEDMALNEVLQKLKHTNRKQEVRIQELQCSNLYLEKRVKELQMKITKQQVF
IDVINKLKENVEELIEDKYKIILEKNDTKKTLQNLEEVLANAQKHLQESRNDKEMLQLQFKKIKANYVCL
QERYMTEMQQKNKSVSYLEMDKTLKKKEEVERLQQLKKELEKATASALDLLKREKAEQEQEFLSLQEE
FQKLEKENLEERQKLKSRLEKLLTQVRNLQFMSENERTKNIKQQQINEVKNENAKLQQVARSEEQNYV
PKFETAQLKDQLEEVLKSDITKDTKTTTHSNLLPDCSPCEERLNPADIKRASQLASKMHSLALMVGLLTC
QDIINSDAEHFKESEKVSIMLQKLKSLHLKKKTLDKELLKHKDRITTFRELIKAEKAFQDHAIKVIDCD
SDEAKSIRDVPTLLGAKLDKYHSLNEELDFLITKLGHLLSKENHCNRLIEENDKYQRHLGNLIKKVTSY
EEIIECADQRLAISHSQIAHLEERNKHLEDLIRKPREKARKPRSKSLENHPKSMTMPALFKENRNDLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8036_e12.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001170692

ORF Size: 2517 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: [NM_001170692.2](#)

RefSeq ORF: 2520 bp

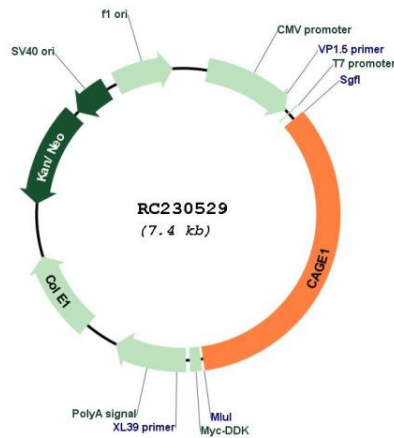
Locus ID: 285782

UniProt ID: [Q8TC20](#)

Cytogenetics: 6p24.3

MW: 98.1 kDa

Product images:



Circular map for RC230529