

Product datasheet for MR202518

Gca (NM_145523) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gca (NM_145523) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gca
Synonyms:	5133401E04Rik; AI573844
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202518 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCTACCCGGGATACGGAGGGCGTTTGGAACTTCAGTGGTCAGATTCCAGGCATGCAAATGCAGATGGGCCAGCCAATGCCAGGGCAGGTCCCAATATGTTCTCTGGTGGCTACCCTGGATACCTGGGTATTCTGACAGCTACTCCCCTGCCGACGACTCCATGTGGACTTATTTACAGCTGTTGCTGGTCAGGATGGTGAGTGGATGCTGAGGAACTGCAGAGATGCTTGACCCAGTCTGGAATTAGTGGAACCTACGCACCTTTCAGTTGGAACTGCAGAATTATGATTGCCATGTTGGATAGAGACTACACAGGAAAAATGGGGTTCAACGAATTCAAGGAGCTTTGGGCCGCTCTTAATGCCTGGAAGCAGAACTTCATGACCATTGACCAAGTCAAAGTGGCACAGTAGAACATCATGAGCTGAGTCAAGCCATCGCTCTTATGGGCTACAGTTGAGTCCACAGACATTAGCTGCAATTGTCAGACGCTACAGCAAGAATGGCCGATTTTCTTTGATGACTATGTTGCCTGCTGTGTGAAGCTGCGCGCCCTGACAGATTTCTTTAGCGAAGAGACCACTTGCAACAAGGGATTGTGAATTTTCATGTATGAAGATTTTTTGCAGGGCACTATGACAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202518 protein sequence
 Red=Cloning site Green=Tags(s)

MAYPGYGGAFGNFSGQIPGMQMGMQMPGAGPNMFSGGYPGYLGYSYSPADDSMWTYFTAVAGQDGE
 VDAEELQRCLTQSGISGTYAPFSLETCRIMIAMLDRDYGKMGFNEFKELWAALNAWKQNFMTIDQDQSG
 TVEHHELSQAIALMGYRLSPQTLAAIVRRYSKNGRIFDDYVACCVKLRALTDFFRRRDHLQGGIVNFMY
 EDFLQGTMTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_145523

ORF Size: 663 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_145523.1](#)

RefSeq Size: 3288 bp

RefSeq ORF: 663 bp

Locus ID: 227960

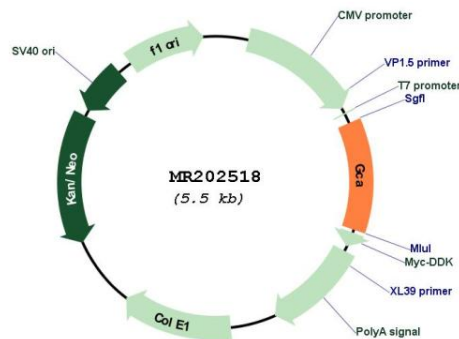
UniProt ID: [Q8VC88](#)

Cytogenetics: 2 C1.3

MW: 24.7 kDa

Gene Summary: Calcium-binding protein that may play a role in the adhesion of neutrophils to fibronectin. May play a role in the formation of focal adhesions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202518