

Product datasheet for **RC218580**

BCAS4 (NM_198799) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCAS4 (NM_198799) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BCAS4
Synonyms:	CNOL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218580 representing NM_198799 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCGGACCGGGGCGGGCTCCGAGGCCCGGGCGCAACCACGGGCTCCAGGCAGCCTCCGCCAGC
CGGACCCCGTCGCCCTCCTGATGCTGCTCGTGGACGCTGATCAGCCGGAGCCCATGCGCAGCGGGGCGCG
CGAGCTCGCGCTTCTGACCCCGAGCCTGGGGCCGAGGCGAAGGAGGTGGAGGAGACCATCGAGGGC
ATGCTCCTCAGGCTGGAAGAGTTTGCAGCCTGGCTGACCTGATCAGGAGTGATACTTCACAGATCCTGG
AGGAAACATCCCAGTCCTTAAGGCCAACTGACAGAAATGCGTGGCATCTATGCCAAAGTGGACCGGCT
AGAGGCCCTTCGTCAAGATGGTTGGACACCACGTCGCCTTCCTGGAAGCAGACGTGCTTCAGGCTGAGCGG
GACCATGGGGCCTTCCCTCAGGCCCTGCGGAGGTGGCTGGGATCCGCAGGGCTCCCTCCTTCAGGAACA
AGTCACCTGCACCGGTGCCCGTGACGTACGAGCTGCCCACTGTATAGGACGGAGGACTATTTCTGT
GGACGCCGGGGAAGCACAGCACCACCCCGCACCTGCCCTCGGCCTTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC218580 representing NM_198799 Red=Cloning site Green=Tags(s)
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MQRTGGGAPRPNHGLPGSLRQDPVALLMLLVADQPEPMRSGARELALFLTPEPGAEAKEVEETIEG
MLLRLEEFCSLADLIRSSTSQILEENIPVLKAKLTEMRGYAKVDRLEAFVKMVGHHVAFLEADVLQAER
DHGAFQALRRWLGSAGLPSFRNKSPAPVPVTYELPTLYRTEDYFPVDAGEAQHHPRTCPRPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Chromatograms: https://cdn.origene.com/chromatograms/mg4058_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198799

ORF Size: 609 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_198799.3

RefSeq Size: 1271 bp

RefSeq ORF: 522 bp

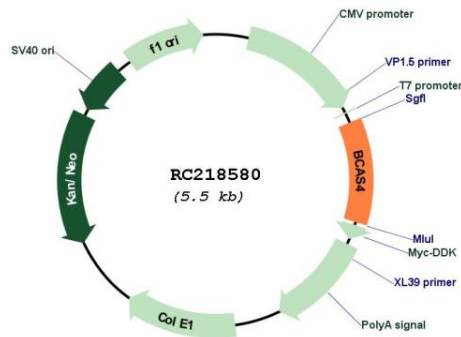
Locus ID: 55653

UniProt ID: Q8TDM0

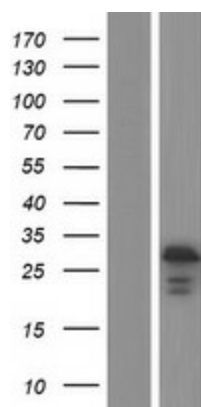
Cytogenetics: 20q13.13

MW: 22.3 kDa

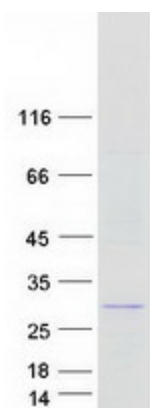
Product images:



Circular map for RC218580



Western blot validation of overexpression lysate (Cat# [LY404796]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218580 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BCAS4 protein (Cat# [TP318580]). The protein was produced from HEK293T cells transfected with BCAS4 cDNA clone (Cat# RC218580) using MegaTran 2.0 (Cat# [TT210002]).