

Product datasheet for RC223919

BVES (NM_007073) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BVES (NM_007073) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BVES
Synonyms:	CARICK; HBVES; LGMD2X; LGMDR25; POP1; POPDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223919 representing NM_007073 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTACAGAGTCCAGCCATTGAGAGAATCAACTGCCATAGGTTTTACACCTGAGTTAGAAAGTA
TCATACCTGTGCCTTCCAATAAGACCACCTGTGAAAACCTGGAGAGAGATACATCATCTGGTTTTTCATGT
AGCAAATATTTGTTTTGCAGTTGGGTTGGTTATTCCAACACTCTTCACCTTCATATGATATTTCTTAGG
GGAATGTTAACTCTAGGATGTACCCTTTATATCGTCTGGGCCACTCTCTACCGATGTGCCTGGATATAA
TGATCTGGAACCTGTGTTCTTGGGTGTCAACATTTTGCATCTGTCGTATCTTTTATACAAGAAGAGACC
GGTAAAGATTGAAAAGGAACCTCAGTGGCATGTACCGGCGATTGTTGAACCACTCCGTGTGCCTCCAGAT
TTGTTCCAGAAGACTAACTGGACAGTTTTGCATGATCCAAACCTTGAAAAAGGGCCAAACTTATGCTGCAG
AGGATAAAACCTCAGTTGATGACCGTCTGAGTATTCTCTTGAAGGGAAAAATGAAGGTCTCCTATCGAGG
ACATTTTCTGCATAACATTTACCCTGTGCCTTTATAGATTCTCCTGAATTTAGATCAACTCAGATGCAC
AAAGGTGAAAAATCCAGGTCACCATTATTGCAGATGATAACTGCAGATTTTTATGCTGGTCAAGAGAAA
GATTAACATACTTTCTGGAATCAGAACCTTTCTGTATGAAATCTTTAGGTATCTTATTGGAAAAGACAT
CACAAATAAGCTCTACTCATTGAATGATCCACCTTAAATGATAAAAAAGCCAAAAAGCTGGAACATCAG
CTCAGCCTTGACACAGATCTCCATGTTGAAATGAGGAACAGTATAGCCAGCTCCAGTGACAGTGACG
ACGGCTTGACACCAGTTTCTTCGGGGTACCTCCAGCATGTCTCTCTTTCATGTGTACATCCCCACACCAGCG
AGCCTCTGCCAAGATGAAACCGATAGAAGAAGGAGCAGAAGATGATGATGACGTTTTTTGAACCGGCATCT
CCAATACATTGAAAGTCCATCAGCTGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223919 representing NM_007073
Red=Cloning site Green=Tags(s)

MNYTESSPLRESTAIGFTPELESIIIPVPSNKTTTCENWREIHHLVFHVANICFAVGLVIPTTLHLHMIFLR
 GMLTLGCTLYIVWATLYRCALDIMIWNVFLGVNHLHLSYLLYKKRPVKIEKELSGMYRRLFEPLRVPPD
 LFRRLTGQFCMIQTLKKGQTYAAEDKTSVDDRLSILLKGMKVSYRGHFLHNIYPCAFIDSPEFRSTQMH
 KGEKFQVTIIADDNCRFLCWSRERLTYFLESEPFLEYEIFRYLIGKDITNKLYSLNDPTLNDKKAKKLEHQ
 LSLCTQISMLEMRNSIASSSDSDGLHQFLRGTSSMSSLHVSSPHQRASAKMKPIEEGAEDDDVDFEPAS
 PNTLKVHQLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6771_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_007073

ORF Size: 1080 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_007073.4](#), [NP_009004.2](#)

RefSeq Size: 5437 bp

RefSeq ORF: 1083 bp

Locus ID: 11149

UniProt ID: [Q8NE79](#)

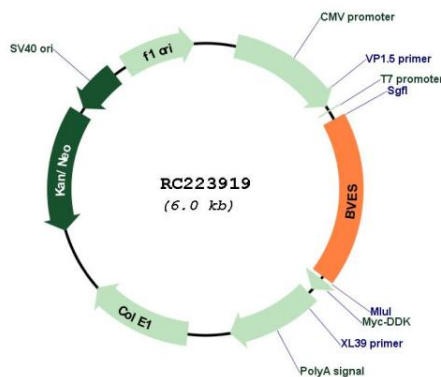
Cytogenetics: 6q21

Protein Families: Transmembrane

MW: 41.3 kDa

Gene Summary: This gene encodes a member of the POP family of proteins containing three putative transmembrane domains. This gene is expressed in cardiac and skeletal muscle and may play an important role in development of these tissues. The mouse ortholog may be involved in the regeneration of adult skeletal muscle and may act as a cell adhesion molecule in coronary vasculogenesis. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RC223919