

## Product datasheet for **RC232575**

### **BVES (NM\_001199563) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BVES (NM_001199563) 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:	>RC232575 representing NM_001199563 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATTACAGAGTCCAGCCATTGAGAGAATCAACTGCCATAGGTTTTACACCTGAGTTAGAAAGTA  
TCATACCTGTGCCTTCCAATAAGACCACCTGTGAAAACCTGGAGAGAGATACATCATCTGGTTTTTCATGT  
AGCAAATATTTGTTTTGCAGTTGGGTTGGTTATTCCAACACTCTTCACCTTCATATGATATTTCTTAGG  
GGAATGTTAACTCTAGGATGTACCCTTTATATCGTCTGGGCCACTCTCTACCGATGTGCCTGGATATAA  
TGATCTGGAACCTGTGTTCTTGGGTGTCAACATTTTGCATCTGTCGTATCTTTTATACAAGAAGAGACC  
GGTAAAGATTGAAAAGGAACTCAGTGGCATGTACCGGCGATTGTTGAACCACTCCGTGTGCCTCCAGAT  
TTGTTCCAGAAGACTAACTGGACAGTTTTGCATGATCCAAACCTTGAAAAAGGGCCAAACTTATGCTGCAG  
AGGATAAAACCTCAGTTGATGACCGTCTGAGTATTCTCTTGAAGGGAAAAATGAAGGTCTCCTATCGAGG  
ACATTTTCTGCATAACATTTACCCTGTGCCTTATAGATTCTCCTGAATTTAGATCAACTCAGATGCAC  
AAAGGTGAAAAATCCAGGTCACCATTATTGCAGATGATAACTGCAGATTTTTATGCTGGTCAAGAGAAA  
GATTAACATACTTTCTGGAATCAGAACCCTTCTGTATGAAATCTTTAGGTATCTTATTGGAAAAGACAT  
CACAAATAAGCTCTACTCATTGAATGATCCCACCTTAAATGATAAAAAAGCCAAAAGCTGGAACATCAG  
CTCAGCCTCTGCACACAGATCTCCATGTTGAAATGAGGAACAGTATAGCCAGCTCCAGTGACAGTGACG  
ACGGCTTGCAACAGTTTCTTCGGGGTACCTCCAGCATGTCTCTCTTTCATGTGTATCCCCACACCCAGCG  
AGCCTCTGCCAAGATGAAACCGATAGAAGAAGGAGCAGAAGATGATGATGACGTTTTTGAACCGGCATCT  
CCAATACATTGAAAGTCCATCAGCTGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232575 representing NM\_001199563  
Red=Cloning site Green=Tags(s)

MNYTESSPLRESTAIGFTPELESIIIPVPSNKTTTCENWREIHHLVFHVANICFAVGLVIPTTLHLHMIFLR  
 GMLTLGCTLYIVWATLYRCALDIMIWNVFLGVNHLHLSYLLYKKRPVKIEKELSGMYRRLFEPLRVPPD  
 LFRRLTGQFCMIQTLKKGQTYAAEDKTSVDDRLSILLKGMKVS YRGHFLHNIYPCAFIDSPEFRSTQMH  
 KGEKFQVTIIADDNCRFLCWSRERLTYFLESEPFLEYEIFRYLIGKDITNKLYSLNDPTLNDKKAKKLEHQ  
 LSLCTQISMLEMRNSIASSSDSDGLHQFLRGTSSMSSLHVSSPHQRASAKMKPIEEGAEDDDVDFEPAS  
 PNTLKVHQLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6771\\_a04.zip](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\_001199563

**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\\_001199563.2](#)

**RefSeq Size:** 5599 bp

**RefSeq ORF:** 1083 bp

**Locus ID:** 11149

**UniProt ID:** [Q8NE79](#)

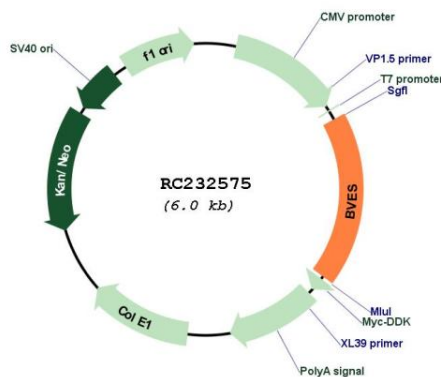
**Cytogenetics:** 6q21

**Protein Families:** Transmembrane

**MW:** 41.5 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 RC232575