

Product datasheet for MG222169

Barx1 (NM_007526) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Barx1 (NM_007526) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Barx1

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG222169 representing NM_007526

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222169 representing NM_007526

Red=Cloning site Green=Tags(s)

MQRPGEPGAARFGPPEGCADHRPHRYRSFMIEEILTEPPGPKGAAPAAAAAAAGELLKFGVQALLAARPF HSHLAVLKAEQAAVFKFPLAPLGCSGLGSALLAAGPGMPGPAGASHLPLELQLRGKLEAAGSGEPGAKAK KGRRSRTVFTELQLMGLEKRFEKQKYLSTPDRIDLAESLGLSQLQVKTWYQNRRMKWKKIVLQGGGLESP

TKPKGRPKKNSIPTSEQLTEQERAKETEKPAETPGEPSDRNCED

TRTRPLE - GFP Tag - V



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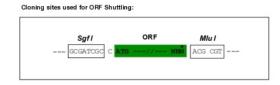
CN: techsupport@origene.cn

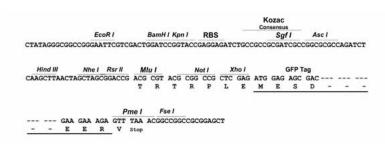


Restriction Sites:

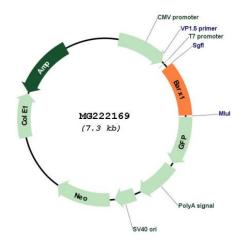
Sgfl-Mlul

Cloning Scheme:





Plasmid Map:



ACCN: NM_007526

ORF Size: 762 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. <u>More info</u>

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.

13 24.9 cM

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: <u>NM 007526.4</u>, <u>NP 031552.2</u>

 RefSeq Size:
 1366 bp

 RefSeq ORF:
 765 bp

 Locus ID:
 12022

 UniProt ID:
 Q9ER42

Cytogenetics:

Gene Summary: Transcription factor, which is involved in craniofacial development, in odontogenesis and in

stomach organogenesis. May have a role in the differentiation of molars from incisors. Plays a role in suppressing endodermal Wnt activity. Binds to a regulatory module of the NCAM

promoter.[UniProtKB/Swiss-Prot Function]