

Product datasheet for RC220965L3

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OriGene Technologies, Inc.

BEX1 (NM_018476) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BEX1 (NM_018476) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: BEX1

Synonyms: BEX2; HBEX2; HGR74-h

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220965).

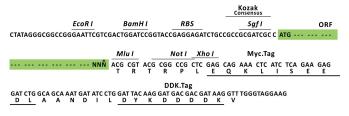
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu I

--- GCG ATC GCC ATG ---//--- NNN ACG CGT ---



^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_018476

ORF Size: 375 bp





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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.

BEX

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: <u>NM 018476.3</u>

 RefSeq Size:
 862 bp

 RefSeq ORF:
 378 bp

 Locus ID:
 55859

 UniProt ID:
 Q9HBH7

Cytogenetics: Xq22

Domains:

MW: 14.9 kDa

Gene Summary: Signaling adapter molecule involved in p75NTR/NGFR signaling. Plays a role in cell cycle

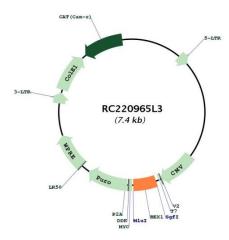
progression and neuronal differentiation. Inhibits neuronal differentiation in response to nerve growth factor (NGF). May act as a link between the cell cycle and neurotrophic factor

signaling, possibly by functioning as an upstream modulator of receptor signaling, coordinating biological responses to external signals with internal cellular states (By

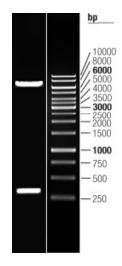
similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC220965L3



Double digestion of RC220965L3 using Sgfl and Mul