

Product datasheet for RC212512

BEX5 (NM 001012978) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BEX5 (NM_001012978) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: BEX5

Synonyms: NGFRAP1L1

Mammalian Cell

Vector:

Selection:

pCMV6-Entry (PS100001)

Neomycin

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >RC212512 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAAAATGTCCCCAAGGAAAACAAAGTTGTGGAGAAAGGCCCCAGTGCAGAATGAAGCCCCCGCTTTAGGAGGTGGTGAATACCAGGAGCCTGGAGGAAATGTTAAAGGGGTTTTGGCTCCACATGCCCCGGGTTTTGGAGAGGATGTGCCCCAATAGGCTTGTCGATAACATTGATATGATAGATGGAGATGGAGATGATATGGAACGGTTCATGGAGGAGATGAGAGAGCTAAGGAGGAAAATTAGGGAACTTCAGTTGAGGTACAGTCTGCGCATTC

TTATAGGGGACCCTCCTCACCATGATCATCATGATGAGTTTTGCCTTATGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212512 protein sequence

Red=Cloning site Green=Tags(s)

MENVPKENKVVEKAPVQNEAPALGGGEYQEPGGNVKGVWAPHAPGFGEDVPNRLVDNIDMIDGDGDDMER

 ${\sf FMEEMRELRRKIRELQLRYSLRILIGDPPHHDHHDEFCLMP}$

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6455 d07.zip

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

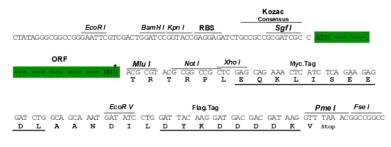
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





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

ACCN: NM_001012978

ORF Size: 333 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: <u>NM 001012978.3</u>

RefSeq Size: 840 bp
RefSeq ORF: 336 bp
Locus ID: 340542

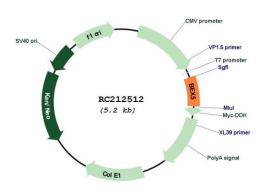


 UniProt ID:
 Q5H9J7

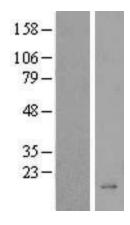
 Cytogenetics:
 Xq22.1

 MW:
 12.6 kDa

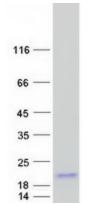
Product images:



Circular map for RC212512



Western blot validation of overexpression lysate (Cat# [LY431753]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228725] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BEX5 protein (Cat# [TP312512]). The protein was produced from HEK293T cells transfected with BEX5 cDNA clone (Cat# RC212512) using MegaTran 2.0 (Cat# [TT210002]).