

Product datasheet for RC213643

HELZ (NM_014877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HELZ (NM_014877) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HELZ
Synonyms:	DHRC; DRHC; HUMORF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213643 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGACAGAAGAGCTGAAAAGTCATGTGAACAAGCATGTGAATCACTTAAGAGGCAGGACTATGAAA
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Protein Sequence:

>RC213643 protein sequence
 Red=Cloning site Green=Tags(s)

MEDRRAEKSCEQACEESLKRQDYEMALKHCTEALLSLGQYSMAFDTGPCLEIERIKIESLLYRIASFQL
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6685_c02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_014877

ORF Size: 5826 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_014877.4](#)

RefSeq Size: 13847 bp

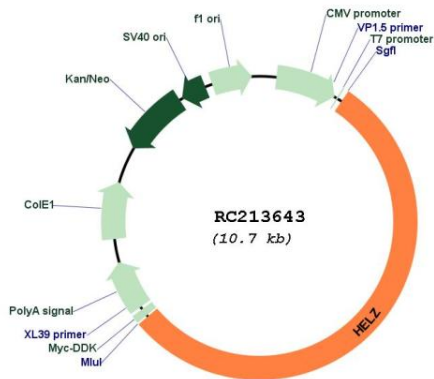
RefSeq ORF: 5829 bp

Locus ID: 9931

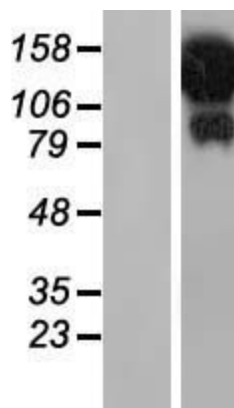
UniProt ID: [P42694](#)
Cytogenetics: 17q24.2
Domains: zf-CCCH
MW: 219 kDa

Gene Summary: HELZ is a member of the superfamily I class of RNA helicases. RNA helicases alter the conformation of RNA by unwinding double-stranded regions, thereby altering the biologic activity of the RNA molecule and regulating access to other proteins (Wagner et al., 1999 [PubMed 10471385]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC213643



Western blot validation of overexpression lysate (Cat# [LY414964]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213643 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).