

Product datasheet for MC203440

Helq (NM_001081107) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Helq (NM_001081107) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Helq
Synonyms:	AU021725; D430018E21Rik; Hel308
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC082601

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CTGATGCTGGGTCACCTGCTGTCTCCAGAACGGCGCCACCGGCTCCGGGCTGCACCCAGGGCGGCTGTCC
CAGGGACTCTGGGCCGTTGTCATGGAGGACGGCTGTCCCGCATCCGCCGGCGGGTGTCTGTCCGAAAA
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AAAGTTTGAGGAATATCGGCAATGGTAAAGTGTGCTGTCTGAAGCGCACCGTCCCTTCGGCATCGC
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GAGCTTTAATAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

Ascl-NotI

ACCN:

NM_001081107

Insert Size:

3210 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:
[BC082601](#), [AAH82601](#)
RefSeq Size:

3672 bp

RefSeq ORF: 3210 bp

Locus ID: 191578

UniProt ID: [Q2VPA6](#)

Cytogenetics: 5 E4

Gene Summary: Single-stranded DNA-dependent ATPase and 5' to 3' DNA helicase. Involved in the repair of DNA cross-links and double-strand break (DSB) resistance. Participates in FANCD2-mediated repair. Forms a complex with POLN polymerase that participates in homologous recombination (HR) repair and is essential for cellular protection against DNA cross-links. [UniProtKB/Swiss-Prot Function]