

## Product datasheet for **SC335300**

### DNA helicase HEL308 (HELQ) (NM\_001297758) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNA helicase HEL308 (HELQ) (NM_001297758) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNA helicase HEL308
Synonyms:	HEL308
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335300 representing NM_001297758. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATGAATGTGGTTCCCGCATCCGCCGGCGGGTGTCTCTCCCAAAAGGAACCGTCCAAGCTTGGGG
TGTATTTTTGGCGCTCCACCGCGGCCGAGCTCGAGCCCGGAGATGAGGGGAAAGAGGAGGAGGAAATG
GTGGCTGAGAACAGGAGGCGGAAAACCGCGGGCGTACTGCCGGTTGAGCCTAATGACAGTGAAGTGGAC
ATGTTTGGTGACTATGATAGCTTTACTGAAAACCTCTTATAGCTCAAGTTGACGACCTGGAACAAAAA
TATATGCAACTCCCTGAACATAAGAAACATGCTACAGACTTTGCCACTGAAAATCTTTGCTCGGAAAGT
ATCAAAAACAAACTCAGCATTACTACCATAGGCAACCTTACTGAATTACAACTGATAAGCACACAGAG
AACCAGAGTGGATATGAAGGTGTCACTATTGAACCTGGAGCTGATCTTTTGTATGATGTACCTTCCTCA
CAGGCTATATACTTTGAAAATTTGCAGAACTCTCAAATGATTTGGGTGATCATTCTATGAAAGAAAGG
GATTGGAAGTCATCCTCTCACAACACTGTGAATGAGGAACTGCCCATAAATTGCATAGAGCAACCCAG
CAAAATGATGAGTCTCTTCCAAAGTCAGAACTAGTTCAGATATGAACAGGAGAAAAAGTATTAAGAT
CATCTAAAAATGCCATGACTGGAAATGCGAAGGCCAGACCAATATTTCTAGAAGTAAACAGCTC
AAAGACTCTCCTATCTGAGGAAATTAATGTTGCTAAGAAAACAGTTGAGTCATCATCAAATGACCTT
GGTCCTTTTTATTATTACCCAGCAAAGTGAGAGACCTTATGCCAATCAAGGGAATTGAAAAATTA
TATGGTAATGCTTTTTGCTGGAATAAAAAAATTTTTTCTATCATTACCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001297758
Insert Size:	951 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001297758.1</u>
<b>RefSeq Size:</b>	2469 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	113510
<b>UniProt ID:</b>	<u>Q8TDG4</u>
<b>Cytogenetics:</b>	4q21.23
<b>MW:</b>	35.7 kDa
<b>Gene Summary:</b>	<p>HEL308 is a single-stranded DNA-dependent ATPase and DNA helicase (Marini and Wood, 2002 [PubMed 11751861]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (5) uses an alternate splice site in the 5' coding region, lacks several exons, and its 3'-terminal exon extends past a splice site that is used in variant 1. The encoded isoform (5) is shorter and has a distinct C-terminus, compared to isoform 1.</p>