

## Product datasheet for SC308909

### HELZ (NM\_014877) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HELZ (NM_014877) Human Untagged Clone
Tag:	Tag Free
Symbol:	HELZ
Synonyms:	DHRC; DRHC; HUMORF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308909 representing NM_014877. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>Plasmid Map:</b>	<input type="checkbox"/>
<b>ACCN:</b>	NM_014877
<b>Insert Size:</b>	5829 bp
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_014877.3</a>
<b>RefSeq Size:</b>	13847 bp
<b>RefSeq ORF:</b>	5829 bp
<b>Locus ID:</b>	9931
<b>UniProt ID:</b>	<a href="#">P42694</a>
<b>Cytogenetics:</b>	17q24.2
<b>Domains:</b>	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]