

Product datasheet for **SC309179**

SHPRH (NM_173082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHPRH (NM_173082) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHPRH
Synonyms:	bA545I5.2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173082, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAGCCGACGAAACGTGCTCCTCCAGTGAGGGTAGATGAGGAAAAGAGGCAGCAG
CTTCATTGGAATATGCATGAGGACAGAAGGAATGAACCTATCATCATAAGTGATGATGAC
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GATCCTTACTATTATTATAAGTCCAGGAGAAATCGCAGTAAATTGAGGAAAAAGCTT

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GTTCCATCCACAAAAAAGGAAAAAGTCAACCATTTATCAATCCCGATTACAAGGTCAC
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 AGAACTCTGATGAAAATACAGCTTAGAGATCCAGGGGCCAAAGCACTCGTTTTCTCAACG
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AGGGTGCACCGAATTGGACAGACAAAACCTACTATTGTACACAGATTCTTAATTAAGCA
ACAATAGAAAGAAAGAATGCAGGCAATGCTGAAAAGTCTGAGAGAAGTATCTATATCTGA

Restriction Sites:	Please inquire
ACCN:	NM_173082
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).
OTI Annotation:	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.
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:	<ol style="list-style-type: none">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_173082.1 , NP_775105.1
RefSeq Size:	7011 bp
RefSeq ORF:	4980 bp
Locus ID:	257218
UniProt ID:	Q149N8
Cytogenetics:	6q24.3
Domains:	SNF2_N, DEAD, helicase_C, RING, PHD, linker_histone
Protein Families:	Druggable Genome
Gene Summary:	SHPRH is a ubiquitously expressed protein that contains motifs characteristics of several DNA repair proteins, transcription factors, and helicases. SHPRH is a functional homolog of <i>S. cerevisiae</i> RAD5 (Unk et al., 2006 [PubMed 17108083]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) uses three alternate splice sites in the coding region, one of which results in a frameshift, compared to variant 1. It encodes isoform b, which is shorter and has a distinct C-terminus, compared to isoform a.