

## Product datasheet for **SC101829**

### **SHPRH (AK094944) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SHPRH (AK094944) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHPRH
Synonyms:	bA545I5.2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101829 sequence for AK094944 edited (data generated by NextGen Sequencing) ATGGAATTTGCACAAATCAGTCGTGTTAAGACATTTTCAGGAGAACCTTTTCAGCATTTAAA CGTGATCCCCAAATCAATATTTTGCTGCTGCCCTGCACACAGGTTCTAATGGATTAAC ATCATTGAAGCAACTCATGTTCTCTTGGTGGAGCCCATATTGAACCCTGCCCATGAGCTT CAGGCCATAGGGAGGGTGCACCGAATTGGACAGACAAAACCTACTATTGTACACAGATTC TTAATTAAGCAACAATAGAAGAAAGAATGCAGGCAATGCTGAAAACCTGCTGAGAGAAGT CACACGAACTCATCAGCAAAGCATTAGAGGCCTCTGTCTTGACTGTGGCTGACCTGGCA GACCTATTTACCAAAGAAACTGAAGAGCTTGAATGA  Clone variation with respect to AK094944.1



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK094944 unedited  
 CGTCAGAAATTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCTCGTTTTCTCAACGTGGCAAGATGTATTAGATATTATTTCAAAGCTCTTACTGACAACAACATGGAA  
 TTTGCACAAATCAGTCGTGTTAAGACATTTTCAGGAGAACCTTTTCAGCATTTAAACGTGAT  
 CCCCAAATCAATATTTTGTCTGCTGCCCTGCACACAGGTTCTAATGGATTAACATCATT  
 GAAGCAACTCATGTTCTCTTGGTGGAGCCCATATTGAACCCTGCCATGAGCTTCAGGCC  
 ATAGGGAGGGTGCACCGAATTGGACAGACAAAACCTACTATTGTACACAGATTCTTAATT  
 AAAGCAACAATAGAAGAAAGAATGCAGGCAATGCTGAAAACCTGCTGAGAGAAGTCACACG  
 AACTCATCAGCAAAGCATTTCAGAGGCCTCTGTCTTACTGTGGCTGACCTGGCAGACCTA  
 TTTACCAAAGAACTGAAGAGCTTGAATGAACTACACTTGATTCCATTCCATGGACTTTAG  
 TGTATTAATAAACTTTTCATAGCTGTAGAGCAAAGTTACAAGTTTTAAAAACCCAGTAGAT  
 AACAGTAACACTGTTCTAGTTGAATGAATTTGTTTATTGTTCTGGTTATACAGTGGCTT  
 AGTACTTATTGAGTCCTTTTCATATACTGTTTCCAAAGATCTATAAAGATTCTTAATTTT  
 AACTCTTAATAAAAACATTATTTTTTTGTCCANATAGTATCTATATCTGATGATGCAN  
 GGGAAATTAAGAGAGTAATGTGTACTTTTCTTATGATAAGATCACTCATAANACAGTTGGG  
 AATAAGAAAGTAACTAGTCTAGTTTTATATGACCTGGTATATTGAACAACTAGATCTCA  
 GTNTGGGAGGGCCTTNCAGTATCTTAGACA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AK094944 unedited  
 TTAGCTNTGNNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCATTCC  
 CTAATAATTTTATTAATGGATATCTTACAGAAAATAAATAAAAACAGTTTTTGTCTAATA  
 CAGATAGGTTTTTTTATATATATGTAATTTGATTTTACAAAATTGAAGCATATCAAATTG  
 TTTTCTCTAAAACATAGCTCAGAAAGGAATAGTAGAAAACAACAAAAGAAACTGAA  
 ATAGTCTCATTTTTAAATTATAAGCATGGCCTTCTGAATCTCAGCATGACATGTTATTA  
 GTAAAAGAAATGTAAGATATGGAGTCAGGGGACCTGGGCTCCACTGTTTACTTGCTACATG  
 TCCTAAGAAAGTTTCAATATATCTGAACTTCAGTTCTCTACCTTTAAAACAGTAAAGATA  
 TTAATTATATCAACTTCAAGATTGTTGGGTAATTAACACGTAATGTACATGAAAG  
 CTCTTTTTAATATGTGAAGAGCTATAAAAATAACAGTTTGATTTAATTTTCATATAAAGA  
 ATCAATGGATACCTCCTTTTAACTGAAGAATAAGCACAAAAGCATGTGTGTGTTTTCTT  
 CAGTTGAATTACATCACTCTATAAACCTAGAGTAAGAAAATGCACCTTAACTAAGCACCA  
 AAGCCTCTCGGACAAATGGGATCTAGGGAAATGGTCTATGAGTTTTCCAGGCAGCTAACT  
 GGGAGCTAATAAGTCTGAGGGTCAAAGAGGGTCTTNTAAACTCTGAAAGCTCAAAAAA  
 AGGAAGCCAAATAAGACATTTGTATTTACATCAATGGCTAGGATGTAACCAGCTACTCCC  
 TTATTCAGCATTTCAAAGTCCCATTATTCTCACAGAAGAAGAAACACTTTCGTATTATC  
 ACTGCNACGATTTGCTTAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

AK094944

**Insert Size:**

2750 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).

<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="#">AK094944.1</a> , <a href="#">BAC04459.1</a>
<b>RefSeq Size:</b>	2335 bp
<b>RefSeq ORF:</b>	396 bp
<b>Locus ID:</b>	257218
<b>Cytogenetics:</b>	6q24.3
<b>Domains:</b>	helicase_C
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]