

## Product datasheet for **SC107534**

### **HACE1 (NM\_020771) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HACE1 (NM_020771) Human Untagged Clone
Tag:	Tag Free
Symbol:	HACE1
Synonyms:	SPPRS
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC107534 sequence for NM\_020771 edited (data generated by NextGen Sequencing)

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ATGGAGAGAGCGATGGAGCAACTCAACCGCCTGACGCGCTCGCTGCGCCGCGCGGCACC
GTGGAGTTGCCCGAGGATAATGAACTGCTGTTTATACATTAATGCCAATGGTTATGGCT
GATCAACACAGGTCTGTTTCTGAACTACTATCAAATTTCAAATTTGATGTCAATTATGCA
TTCGGACGTGTGAAAAGAAGCTTGCTTCACATTGCAGCAAATTTGGATCGGTGGAATGC
TTGGTTTTGCTGTTAAAGAAAAGGAGCAAATCCTAACTATCAAGATATTTTCAGGCTGTACA
CCCTTTCATTTGGCAGCAAGAAAATGGGCAGAAGAAATGTATGAGTAAATTATTAGAATAT
AGCGCTGATGTCAACATTTGTAATAATGAAGGCCTTACAGCAATACATTGGCTGGCTGTG
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GATGCCATGGGGCAGACAGCACTGCATGTTGCCTGCCAGAACGGTCACAAGACGACAGTG
CAGTGCTTGCTAGACAGTGGTGTGATTAACAGGCCAAATGTATCAGGAGCAACTCCA
TTGTACTTTGCTTGCAGTCATGGTCAGAGAGATACAGCACAGATCCTACTATTACGAGGA
GCCAAATATCTGCCAGATAAAAAATGGAGTAACTCCTCTGGATTTATGTGTACAGGGTGA
TATGGAGAGACTTGTGAAGTATTAATTCATATCACCCGAGGCTTTTTTCAGACTATTATT
CAAATGACACAGAATGAAGACCTCCGAGAAAACATGTTACGGCAAGTTCTGGAGCATTTG
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ACAAATGGTCATAAACTGCTTAGCCTCTCTAGCAATTATGATGCTCAAATGAAGAGCCTT
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GGGATTGCTGTACGGTCCATGGAGAAGAAGGCATGGGTCAAGGTGTTGTGCGTGAGTGG
TTTGATATTCTGTCCAATGAGATAGTCAATCCTGATTATGCATTTTACCCAGTCAGCT
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TTTTCGTTTGGTGGGAGATCTTGGGATTAGCGTTGAACACAGGCAGCTGGTCAATATT
TACTTCACACGATCCTTCTACAAGCACATTTCTGGTATTCCTGTAATACCAAGATGTG
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GAATACACAAGTGGCTATGAAAGAGAAGATCCAGTTATTCAGTGGTTCTGGGAAGTTGTA
GAAGACATTACTCAAGAGGAGAGAGTCTTCTCTTACAGTTTGTACGGGCAGTTCAGG
GTCCCACATGGTGGGTTTGCTAATATCATGGGTGGAAGTGGATTGCAAACTTTACAATC
GCTGCTGTGCCATATACTCCAAATCTTTTACCAACTTCAAGCACATGCATCAACATGCTC
AAGTTACCTGAATACCAAGTAAAGAAATACTCAAGGACAGACTTCTTGTGGCACTACAT
TGTGGCAGCTATGGTTACACAATGGCATAA

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Clone variation with respect to NM\_020771.3

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_020771 unedited ATACGACTCACTATAGGGGCGGCCGCGATTTCGGCACGAGGGGCGGCGGGGCTGCAGGAA AGGCGCGAGCAGAGGGCGGCGGGTGTACTGTAGGTGGTCGGTCCGGCAGCAGCCCGGC CCCCAGCAGCAGGACGTGGCCCCAGGCAGCCCTCGCAGCTCAGTGCTCTAGCCGGGGCAA GCCCGCTCTCCGCTGCTGGACGGGCCAGGCGAGATGTAGGGCTCTGGGCGCGGAGGC CGCCGGTGGGCGGCTGATCGCGGAGGATCGCGGAGGGCGCGCCGAGGATGGAGAGAGCG ATGGAGCAACTCAACCGCTGACGCGCTCGCTGCGCCGCGCGCACCCGTGGAGTTGCC GAGGATAATGAAACTGCTGTTTATACATTAATGCCAATGGTTATGGCTGATCAACACAGG TCTGTTTCTGAACTACTATCAAATTTCAAATTTGATGTCAATTATGCATTGCGACGTGTG AAAAGAAGCTTGCTTACATTGCAGCAAATTTGGGATCGGTGGAATGCTTGGTTTTGCTG TTAAGAAAGGAGCAAATCCTAACTATCAAGATATTTTCAGGCTGTACACCCCTTCATTTG GCAGCAAGAAATGGGCAGAAGAAATGTATGAGTAAATTATTAGAATATAGCGCTGATGTC AACATTTGTAATAATGAAGGCCTTACAGCAATACATTGGCTGGCTGTGAATGGGCGGACA GAACTACTCCATGACCTTGTGCAGCATGTCANTGATGNNTGATGTGAGGATGCCATGGGG CAGACAGCACTGCATGTTGCCTGCCAGAACGTCACAGAAGACAGTGCAGTGCTTGCTAGA CAGTGGTCTGATATTACAGCCAATGTATCAGGGAGCACTCATGTACTTTGCTGCGATC ATGTCAAAAGT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020771
<b>Insert Size:</b>	4000 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>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><a href="#">NM_020771.2</a></u> , <u><a href="#">NP_065822.1</a></u>
<b>RefSeq Size:</b>	4614 bp
<b>RefSeq ORF:</b>	2730 bp
<b>Locus ID:</b>	57531
<b>UniProt ID:</b>	<u><a href="#">Q8IYU2</a></u>
<b>Cytogenetics:</b>	6q16.3
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

This gene encodes a HECT domain and ankyrin repeat-containing ubiquitin ligase. The encoded protein is involved in specific tagging of target proteins, leading to their subcellular localization or proteasomal degradation. The protein is a potential tumor suppressor and is involved in the pathophysiology of several tumors, including Wilm's tumor. [provided by RefSeq, Mar 2016]

Transcript Variant: This variant (1) encodes the longest isoform (a).