

## Product datasheet for SC123397

### HDDC3 (NM\_198527) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HDDC3 (NM_198527) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDDC3
Synonyms:	(ppGpp)ase; MESH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_198527 edited</p> <pre> CCACGCGTCCGCCACGCGTCCGCGCGATGGGCTCTGAGGCGGCGCAGCTGCTGGAGG CTGCCGACTTCGCGGCTCGCAAGCACCGGCAGCAGCGGCGGAAGGACCCCGAGGGGACCC CCTACATCAACCACCCCATCGGTGTGGCACGGATCCTGACCCACGAGCGGGAATCACTG ACATTGTGGTGTACAGGCGGCCCTGCTCCATGACACGGTGGAGGACACAGACACCACCC TGGATGAGGTGGAGCTACACTTTGGGGCACAAGTGCGGCGCTGGTGGAGGAGGTAACAG ATGACAAGACTCTGCCAAGCTGGAGAGAAAGAGGCTGCAGGTGGAGCAAGCGCCCAACA GTAGCCCCGGGGCAAACCTGGTGAAGCTGGCAGACAAGCTGTACAATCTGAGGGACCTGA ATCGCTGCACCCAGAGGTAATAACAATAGCTGGGCCAAGGGGAAGTTTTTCAGGACAG CTCATTGCATCAGGAACCTATGGCCTTGAACCAAGCTTGCAGGAAGTGGGGAAAAGGCA GTGCTTTCCTTGACATCACGCTAGCAAGTTTCTGTCGACTCTTATGCAGGATGGTCAGAA CATCGAGTCCAGGAATACTTCGAGTGGGCAGCGCAGGTGGTGAAGGGGCTTCAGGGAACA AACCGGCAACTGGAAGAGGCTCTAAAGCATCTGTTCAAGCAGCGGGGCTGACAATCTGA TCAGTGCTTGAAGCTATCCAGAGGCACAACCTCCAGCCTCGTTCAGGCCGGACAGGATTCA TACGCCATCTTTTCTGTGTCTCCTGAGCTCCCTCCATCCTTCCCAGATATTAGAGGCCAA AAAAAGACTTGCATTTTTTCTCAGTCTGAAGGTCTCCTGCTAACTAAGCTGAGCCCCGCG TGGTGGGAATCAGATGTACCCATCCATTCTGATGCACTACCGCCTCTCCCAAGTCTT GGGTCTGTTTGTATTTTGCATGGTGGGGTCTCTGGCCCTCAGGGACTTGAGATTATTT AAGTACTAGTTCCTAACACGTTCTGGAAAATAAAAATAACTCTGGGTTAAAAAAAAAAAA AAAAAAAAA </pre>



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198527 unedited NGGTTCAAATTTGTATACGACTCATATAGGGCGGCCGCGAATCCCGGGNAATCGTCGACC CACGCGTCCGCCACGCGTCCGCGCGCATGGGCTCTGAGGCGGCAGCTGCTGGAGGC TGCCGACTTCGCGGCTCGCAAGCACCGGCAGCAGCGCGGAAGGACCCCGAGGGGACCC CTACATCAACCACCCATCGGTGTGGCAGGATCCTGACCCACGAGGCGGAATCACTGA CATTGTGGTGTACAGGCGGCCCTGCTCCATGACACGGTGGAGGACACAGACACCACCT GGATGAGGTGGAGCTACACTTTGGGGACAAGTGCAGCGCCTGGTGGAGGAGTAAACAGA TGACAAGACTCTGCCAAGCTGGAGAGAAAGAGGCTGCAGGTGGAGCAAGCGCCACAG TAGCCCCGGGGCAAACCTGGTGAAGCTGGCAGACAAGCTGTACAATCTGAGGGACCTGAA TCGCTGCACCCAGAGGTAAAAATAACAATAGCTGGGCAAGGGAAAGTTTTTCAGGACAGC TCATTGCATCAGGAACCTATGGCCTTGAACCAAGCTTGCCAGGAAGTGGGAAAAGGCAG TGCTTTCTTGACATCACGCTAGCAAGTTTCTGTCGACTTTATGCAGGATGGTCAGAAC ATCGAGTCCAGGAATACTTCGAGTGGGCAGCGCAGGTGGTGAAGGGGCTCAGGGAACAA ACCGGCAACTGGAAGAGGCTCTAAAGCATCTGTTCAAGCAGCGGGGGCTGACAATCTGAT CAGTGCTTGAAGCTATCCAGAGGCACAACCTCCAGCCTCGTTCAGGCCGGACAGGATTCAT ACGCCATCTTTCTGTGTCTCCTGAGCTCCCTCATCCTTCCAGATATAGAGCCAAAAAA GACTTGCATTTTTTCTCAGTCTGAAAGGTCTCTGCTAAT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_198527
<b>Insert Size:</b>	1089 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_198527.1</a></u> , <u><a href="#">NP_940929.1</a></u>
<b>RefSeq Size:</b>	1089 bp
<b>RefSeq ORF:</b>	423 bp
<b>Locus ID:</b>	374659
<b>UniProt ID:</b>	<u><a href="#">Q8N4P3</a></u>
<b>Cytogenetics:</b>	15q26.1

**Gene Summary:**

ppGpp hydrolyzing enzyme involved in starvation response.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.