

Product datasheet for **SC332667**

Histidase (HAL) (NM_001258334) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Histidase (HAL) (NM_001258334) Human Untagged Clone
Tag:	Tag Free
Symbol:	Histidase
Synonyms:	HIS; HSTD
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332667 representing NM_001258334. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGCCAGATACACGGTGCACGTACGTGGGAATGGCTGGCAGTGCCCTGCCAGGACGCGCAGCTCACT
GTGGGCTGGCTGGGCCGGGAGGCCGTGAGGCGCTATATCAAGAATAAGCCCGACAATGGTGGCTTACC
TCCGTGGATGACGCGCACTTCTTGTGCGCCGGTGAAGGCTGGCCCTGCTGGACAACGAGGACCGG
CTCGAGGTGGCCCTAGAGAACAACGAGTTCGTGGAAGTGGTTATAGAGGGTATGCCATGTCTCCTGAC
TTCATTCCATCTCAACCAGAAGGAGTTTATCTATACAGCAAGTACCGGGAGCCTGAAAAGTACATCGAG
TTAGATGGAGACCGTCTGACCACGGAGGATCTGGTCAACTTGGGAAAGGACGCTACAAAATAAGCTC
ACCCCAACAGCTGAGAAGAGGGTGCAGAAATCCAGGGAGGTCATAGATAGCATCATAAAGAGAAAACA
GTTGTTTACGGTATTACTACAGTTTTGGGAAATTTGCCAGAAGTGAATTCCTATCAATAAGCTACAG
GAGCTTACAGTCACTTAGTACGCTCACATTCTCAGGTGTTGGGAAACCAAGTCTGAGAGGTGT
CGGATGCTCTTGGCTTAAAGGATCAATGTCTTAGCCAAAGGATACAGTGGCATTTCCTGGAGACCCCTC
AAACAAGTCATAGAAATGTTTAAATGCCTCCTGCCTGCCCTATGTCCAGAGAAAGGAACCGTTGGTGCC
AGTGGAGACCTTGCCCACTCTCTCATCTTGTCTTGGCTAGTTGGAGAAGGGAAGATGGTCTCCG
AAGAGTGGCTGGCTGATGCTAAATACGTGCTAGAAGCCCATGGATTGAAACCAGTTATTTTAAACCA
AAAGAGGGCCTGGCACTCATCAATGGGACGCAGATGATCATCCCTGGGCTGTGAAGCTGTAGAGCGA
GCCAGTGCTATTGCACGGCAGGCTGACATTGTGGCAGCCCTGACCCTTGAGGTGCTGAAGGGCACCACC
AAAGCCTTTGACACTGACATTATGCTCTTCGACCTCACCGTGGGCAAATGAAGTTGCTTTTCGGTTT
CGGTCACTCTTGGACTCAGATCACACCCTCAGAAAATAGCAGAGAGTACAGGTTCTGTGATCGGTC
CAGGATGCATACACCTTGCCTGCTGTCCACAGGTCCATGGTGTGGTGAATGATACAATAGCATTGTG
AAGAACATCATTACCACAGAAGTGAACAGCGCAACAGATAATCCTATGGTCTTTGCCAATAGGGGAGAG
ACAGTTTCTGGAGGAACTTCCATGGTGAATACCCAGCCAAAGCCCTAGACTACTGGCCATTGGCCTC
CATGAAGTTGCTGCAATCAGTGAGAGAAGAATCGAGCGGCTCTGCAATCCCTCCCTCAGTGAGCTGCCT
GCCTTCTGGTGGCTGAAGGTGGTCTGAACTCTGGTTTATGATAGCTCACTGCACGGCAGCAGCCCTT
GTTTCTGAGAACAAGGCTCTGTGCCATCCCTCGTCTGTTGACTCCCTCTCCACCAGCGCAGCCACGGAG
GACCACGTCTCCATGGGAGGATGGGCAGCAAGGAAAGCCCTCAGGGTCATCGAGCATGTGGAGCAAGTG
CTGGCCATCGAGCTCCTTGCAGCCTGCCAGGGCATAGAGTTTCTACGTCCCCTGAAAACAACCACTCCG
CTGGAGAAGGTCTATGACCTGGTGCCTCTGTTGTAAGGTTTGGGAAGTAG

```

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_001258334
Insert Size:	1776 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).
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:	<u>NM_001258334.1</u>
RefSeq Size:	3857 bp
RefSeq ORF:	1776 bp
Locus ID:	3034
UniProt ID:	<u>P42357</u>
Cytogenetics:	12q23.1
Protein Families:	Druggable Genome
Protein Pathways:	Histidine metabolism, Metabolic pathways, Nitrogen metabolism
MW:	64.9 kDa
Gene Summary:	<p>Histidine ammonia-lyase is a cytosolic enzyme catalyzing the first reaction in histidine catabolism, the nonoxidative deamination of L-histidine to trans-urocanic acid. Histidine ammonia-lyase defects cause histidinemia which is characterized by increased histidine and histamine and decreased urocanic acid in body fluids. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (3) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>