

Product datasheet for **SC125676**

HYI (NM_031207) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HYI (NM_031207) Human Untagged Clone
Tag: Tag Free
Symbol: HYI
Synonyms: HT036
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_031207 edited
CGTACGCGGAGACGCCTGAGGCGCTGGCGCGCCGCGGAGAAGCGGGGCTGCGGCTTG
TACTGATCAACACGCCCCGGGAGACCAAGAGAAGGGGAAATGGGGCTGGGGCCGTCC
CCGGGAGACAGGCGCCTTCCGAGAGGGACTGGAGCAGGCCGTGCGGTATGCCAAAGCCC
TGGGCTGTCCCAGGATCCACCTGATGGCTGGCCGAGTACCCAGGGAGCTGATCGAATAG
CAGTCAAGGCTGAGATGGAGCCGTTTTCTGGAGAACCTGAGGCATGCAGCTGGGGTTT
TGGCTCAGGAGGACCTCGTGGGACTGCTGGAGCCCATCAACACCCGCATCACTGACCCCC
AGTACTTCTGGACACGCCCCAGCAGGCGGCAGCCATCTTACAGAAGGTAGGAAGACCCA
ACCTCCAATTACAAATGGACATATTCCACTGGCAGATCATGGATGGGAACCTGACAGGAA
ACATCCGGGAGTTCCTGCCATTGTTGGGCATGTGCAGGTGGCACAGGTCCCAGGCCGAG
GGGAGCCCAGCAGCCCCGGAGAGCTGAATTTCCCTATCTGTTTCAACTGCTGAAAAATG
AAGGCTACAAAGCTTCGTGGGCTGTGAGTATCAGCCTCGAGGAGACACAGTAGAGGGCT
TGAGTTGGCTACGTTTCACTGAGATAGGCGCGCCACCCAGAGGCTGGCCAGTGAGGGCC
CGCACACCACCCAGTGCCTCCAGACAGCGAGTGACATCCCATCTCCTCCTCTGCATTA
AGATGACCTGCTGAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031207 unedited GGGCCGTCAGAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCGTAC GCGGAGACGCCTGAGGCGCTGGCGCGCCGCGGAGAAGCGGGGCTGCGGCTTGTACTG ATCAACACGCCCCGGGAGACCAAGAGAAGGGGAAATGGGGCTGGGGGCCGTCCCCGGG AGACAGGCGCCCTCCGAGAGGGACTGGAGCAGGCCGTGCGGTATGCCAAAGCCCTGGGC TGTCCCAGGATCCACCTGATGGCTGGCCGAGTACCCAGGGAGCTGATCGAATAGCAGTC AAGGCTGAGATGGAGGCCGTTTTTCTGGAGAACCCTGAGGCATGCAGCTGGGGTTTTGGCT CAGGAGGACCTCGTGGGACTGCTGGAGCCATCAACACCCGCATCACTGACCCCCAGTAC TTCTGGACACGCCCCAGCAGGCCGAGCCATCTTACAGAAGGTAGGAAGACCCAACCTC CAATTACAAATGGACATATTCCACTGGCAGATCATGGATGGGAACCTGACAGGAAACATC CGGGAGTTCCTGCCCATTTGTTGGGCATGTGCAGGTGGCACAGGTCCCAGGCCGAGGGGAG CCCAGCAGCCCCGAGAGCTGAATTTCCCTATCTGTTTCAACTGCTGAAAAATGAAGGC TACAAAGGCTTCGTGGGCTGTGAGTATCAGCCTCGAGGAGACACAGTAGAGGGCTTGAGT TGGCTACGTTCACTGGGATAGGCGCGCCACCCAGAGCTGGCCAGTGAGGGCCCCGACA CCACCCACGTGCCTNCAGACAGCGAGTGACATCCCATCTCTCTCTGCTTAAAGATGAC CTGCTGAAAAAAAAAAAAAAAAAATCGAGCATCTATTGTCGGTGCCGAGAAAGAGTC
Restriction Sites:	Please inquire
ACCN:	NM_031207
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:	NM_031207.2 , NP_112484.1
RefSeq Size:	999 bp
RefSeq ORF:	615 bp
Locus ID:	81888
UniProt ID:	Q5T013
Cytogenetics:	1p34.2
Protein Pathways:	Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Gene Summary:

This gene encodes a putative hydroxypyruvate isomerase, which likely catalyzes the conversion of hydroxypyruvate to 2-hydroxy-3-oxopropanoate, and may be involved in carbohydrate transport and metabolism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) contains two alternate splice junctions and lacks an alternate in-frame coding exon compared to variant 5. The resulting isoform (1) contains an alternate internal segment, lacks another alternate internal segment, and is shorter at the C-terminus compared to isoform 5.