

## Product datasheet for **SC332007**

### **HYI (NM\_001243526) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** HYI (NM\_001243526) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HYI  
**Synonyms:** HT036  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332007 representing NM\_001243526.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
ATGGCGCCGCTGCGCTTCTCCGCCAATCTGTCCTGGCTATTCCCCGAGCTCTCCGGCCTCCCCGCGCGG
GTGCGGGCCGCGGCAGCTCGGGCTTCGAGGCCGTCGAGGTGGCCTGGCCGTACGCGGAGACGCCTGAG
GCGCTGGCGCGCGCCGCGGAGAAGCGGGGCTGCGGCTTGTACTGATCAACACGCCCCCGGAGACCAA
GAGAAGGGGAAATGGGGCTGGGGGCCCTCCCCGGGAGACAGGCCGCCTCCGAGAGGGACTGGAGCAG
GCCGTGCGGAGTGGCATTGCTTGATGGCAGGAAGTTGAGTGTTCCTTGCAAGGGTGTGTGGCAAGA
GGAGGCCCTGGTGTATTTGGCAGCGTTCTGAGGCTGGACATGATCCACCTGATGGCTGGCCGAGTACCC
CAGGGAGCTGATCGAATAGCAGTCAAGGCTGAGATGGAGGCCGTTTTCTGGAGAACCTGAGGCATGCA
GCTGGGGTTTTGGCTCAGGAGGACCTCGTGGGACTGCTGGAGCCCATCAACACCCGCATCACTGACCCC
CAGTACTTCTGGACACGCCCCAGCAGGCGGCAGCCATCTTACAGAAGGTAGGAAGACCCAACTCCAA
TTACAAATGGACATATTCCACTGGCAGATCATGGATGGGAACCTGACAGGAAACATCCGGGAGTTCTG
CCCATTGTTGGGCATGTGCAGGTGGCACAGTCCCAGGCCGAGGGGAGCCAGCAGCCCGGAGAGCTG
AATTTCCCTATCTGTTCAACTGCTGGAAGATGAAGGCTACAAAGGCTTCGTGGGCTGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001243526  
**Insert Size:** 819 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).



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**Reconstitution Method:**

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\\_001243526.1](#)

**RefSeq Size:** 1326 bp

**RefSeq ORF:** 819 bp

**Locus ID:** 81888

**UniProt ID:** [Q5T013](#)

**Cytogenetics:** 1p34.2

**Protein Pathways:** Glyoxylate and dicarboxylate metabolism, Metabolic pathways

**MW:** 29.5 kDa

**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 (4) contains an alternate splice junction in the 3' end compared to variant 5. The resulting isoform (4) is shorter at the C-terminus compared to isoform 5.