

## Product datasheet for **TP302991M**

### **HYI (NM\_031207) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hydroxypyruvate isomerase homolog (E. coli) (HYI), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202991 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGLGAVPGRQAAFREGLEQAVRYAKALGCPRIHLMAGRVPQGADRIAVKAEMEAVFLENLRHAAGVLAQE DLVGLLEPINTRITDPQYFLDTPQAAAAILQKVGRPNLQLQMDIFHWQIMDGNLTGNIREFLPIVGHVQV AQVPRGEPSSPGELNFPYLFQLLENEGYKGFVGCYQPRGDTVEGLSWLRSYWDRRATQRLASEGPHTT HVPPDSE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	30.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_112484</a>
Locus ID:	81888
UniProt ID:	<a href="#">Q5T013</a> , <a href="#">Q5T013-3</a>



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RefSeq Size: 1251

Cytogenetics: 1p34.2

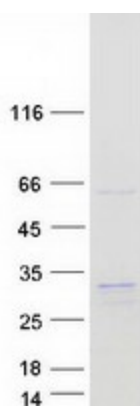
RefSeq ORF: 1365

Synonyms: HT036

**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]

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

### Product images:



Coomassie blue staining of purified HYI protein (Cat# [TP302991]). The protein was produced from HEK293T cells transfected with HYI cDNA clone (Cat# [RC202991]) using MegaTran 2.0 (Cat# [TT210002]).