

Product datasheet for **TP302991L**

HYI (NM_031207) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human hydroxypyruvate isomerase homolog (E. coli) (HYI), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC202991 protein sequence Red =Cloning site Green =Tags(s) |
| | MGLGAVPGRQAAFREGLEQAVRYAKALGCPRIHLMAGRVPQGADRIAVKAEMEAVFLENLRHAAGVLAQE DLVGLLEPINTRITDPQYFLDTPQAAAAILQKVGRPNLQLQMDIFHWQIMDGNTGNIREFLPIVGHVQV AQVPGRGEPPSSGELNFPYLFQLLENEGYKGFVGCYQPRGDTVEGLSWLRSYWDRRATQRLASEGPHTT HVPPDSE TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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: | NP_112484 |
| Locus ID: | 81888 |
| UniProt ID: | Q5T013 , Q5T013-3 |



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RefSeq Size: 1251

Cytogenetics: 1p34.2

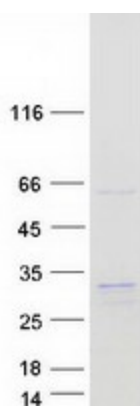
RefSeq ORF: 1365

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]).