

Product datasheet for TP302991

HYI (NM_031207) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human hydroxypyruvate isomerase homolog (E. coli) (HYI), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC202991 protein sequence
Red=Cloning site **Green**=Tags(s)

MGLGAVPGRQAAFREGLEQAVRYAKALGCPRIHLMAGRVPQGADRIAVKAEMEAVFLENLRHAAGVLAQE
DLVGLLEPINTRITDPQYFLDTPQQAAAAILQKVGRPNLQLQMDIFHWQIMDGNTGNIREFLPIVGHVQV
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

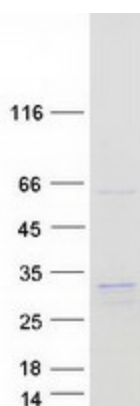
RefSeq ORF: 1365

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]).