

Product datasheet for PH302991

HYI (NM_031207) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HYI MS Standard C13 and N15-labeled recombinant protein (NP_112484)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202991
Predicted MW:	24.1 kDa
Protein Sequence:	>RC202991 protein sequence Red=Cloning site Green=Tags(s) MGLGAVPGRQAAFREGLEQAVRYAKALGCPRIHLMAGRVPQGADRIAVKAEMEAVFLENLRHAAGVLAQE DLVGLLEPINRITDPQYFLDTPQQAAAILQKVGPRNLQLQMDIFHWQIMDGNLTGNIREFLPIVGHVQV AQVPGRGEPPSSGELNFPYLFQLLENEGYKGFVGEYQPRGDTVEGLSWLRSYWDRRATQRLASEGPHTT HVPPDSE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_112484
RefSeq Size:	1251
RefSeq ORF:	1365
Synonyms:	HT036
Locus ID:	81888
UniProt ID:	Q5T013 , Q5T013-3



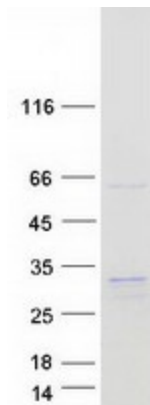
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Cytogenetics: 1p34.2

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]).