

Product datasheet for TP307367M

D2HGDH (NM_152783) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human D-2-hydroxyglutarate dehydrogenase (D2HGDH), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207367 protein sequence Red=Cloning site Green=Tags(s)

MLPRRPLAWPAWLLRGAPGAAGSWGPRVGPLARRGCCSAPGTPEVPLTRERYPVQRLPFSTVSKQDLAAF
ERIVPGGVVTDPEALQAPNVDWLRTLARGCSKVLRRPTSEEVSHILRHCHERNLAVNPQGGNTGMVGGSV
PVFDEILSTARMNRVLSFHSVSGILVCQAGCVLEELSRVVEERDFIMPLDLGAKGSCHIGGNVATNAGG
LRFLRYGSLHGTVLGLEWVLADGTVLDCLTSLRKDNTGYDLKQLFIGSEGTLGIITTVSILCPPKPRAVN
VAFLGCPGFAEVLQTFSTCKGMLGEILSAFEFMDAVCMQLVGRHLHLASPVQESPFYVLIETSGSNAGHD
AEKLGHFLEHALGSGLVTDGTMATDQRKVKMLWALRERITEALSRDGYVYKYDLSLPVERLYDIVTDLRA
RLGPHAKHVVGYGHLGDGNLHLNVTAEAFSPSLLAALEPHVYEWTAGQQGSVSAEHGVGFRKRDVLGYSK
PPGALQLMQQLKALLDPKGILNPYKTLPSQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

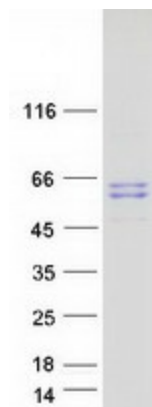
Tag:	C-Myc/DDK
Predicted MW:	54.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_689996
Locus ID:	728294
UniProt ID:	Q8N465 , B4E3K7
RefSeq Size:	2660
Cytogenetics:	2q37.3
RefSeq ORF:	1563
Synonyms:	D2HGD
Summary:	This gene encodes D-2hydroxyglutarate dehydrogenase, a mitochondrial enzyme belonging to the FAD-binding oxidoreductase/transferase type 4 family. This enzyme, which is most active in liver and kidney but also active in heart and brain, converts D-2-hydroxyglutarate to 2-ketoglutarate. Mutations in this gene are present in D-2-hydroxyglutaric aciduria, a rare recessive neurometabolic disorder causing developmental delay, epilepsy, hypotonia, and dysmorphic features. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified D2HGDH protein (Cat# [TP307367]). The protein was produced from HEK293T cells transfected with D2HGDH cDNA clone (Cat# [RC207367]) using MegaTran 2.0 (Cat# [TT210002]).