

Product datasheet for PH309034

DHODH (NM_001361) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DHODH MS Standard C13 and N15-labeled recombinant protein (NP_001352)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209034
Predicted MW:	42.9 kDa
Protein Sequence:	>RC209034 protein sequence Red=Cloning site Green=Tags(s)

MAWRHLKKRAQDAVILGGGGLLFASYLMATGDERFYAEHLMPTLQGLLDPESAHRLAVRFTSLGLLPRA
RFQSDMLEVRVLGHKFRNPVGI AAGFDKHGEAVDGLYKMGFGFVEIGSVTPKPKQEGNPRPRVFRLLPEDQ
AVINRYGFNSHGLSVVEHRLRARQQKQAKLTEDGLPLGVNLGKNKTSVDAEDYAEGVRLGPLADYLVV
NVSSPNTAGLRSLQGKAE LRLLTKVLQERDGLRRVHRPAVLVKIAPDLTSQDKEDIASVVKELGIDGLI
VTNTTVSRPAGLQGALRSETGGLSGKPLRDLSTQTI REMYALTQGRVPIIGVGGVSSGQDALEKIRAGAS
LVQLYALTTFWGPPVVGKVKRELEALLKEQGGVTD AIGADHRR

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:	<u>NP_001352</u>
RefSeq Size:	2438
RefSeq ORF:	1185
Synonyms:	DHOdehase; POADS; URA1
Locus ID:	1723



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UniProt ID: [Q02127](#)

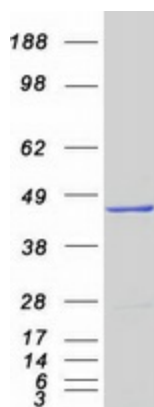
Cytogenetics: 16q22.2

Summary: The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified DHODH protein (Cat# [TP309034]). The protein was produced from HEK293T cells transfected with DHODH cDNA clone (Cat# [RC209034]) using MegaTran 2.0 (Cat# [TT210002]).