

Product datasheet for PH326904

DHRS9 (NM_001142271) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DHRS9 MS Standard C13 and N15-labeled recombinant protein (NP_001135743)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226904
Predicted MW:	35.2 kDa
Protein Sequence:	>RC226904 protein sequence Red=Cloning site Green=Tags(s) MLFWVLGLLILCGFLWTRKGLKIEDITDKYIFITGCDSGFGNLAARTFDKKGHFVIAACLTESGSTALK AETSERLRTVLLDVTDPENVKRTAQWVKQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFGL LISVTLNMLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCEIEPGLFK TNLADPVKVIIEKKLAIWEQLSPDIKQQYGEYIEKSLDKLKGKNSYVNMDSLSPVVECMDHALTSLFPKTH YAAGKDAKIFWIPLSHMPAALQDFLLLKQKAELANPKAV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_001135743
RefSeq Size:	1483
RefSeq ORF:	957
Synonyms:	3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4
Locus ID:	10170



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UniProt ID: [Q9BPW9](#)

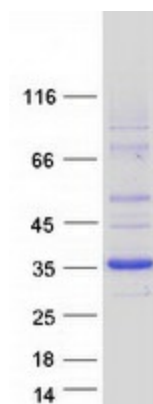
Cytogenetics: 2q31.1

Summary: This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein demonstrates oxidoreductase activity toward hydroxysteroids and is able to convert 3-alpha-tetrahydroprogesterone to dihydroxyprogesterone and 3-alpha-androstanediol to dihydroxyprogesterone in the cytoplasm, and may additionally function as a transcriptional repressor in the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Retinol metabolism

Product images:



Coomassie blue staining of purified DHRS9 protein (Cat# [TP326904]). The protein was produced from HEK293T cells transfected with DHRS9 cDNA clone (Cat# [RC226904]) using MegaTran 2.0 (Cat# [TT210002]).