

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for PH326904

DHRS9 (NM_001142271) Human Mass Spec Standard

Product data:

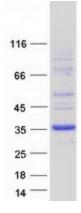
Nescription:DHRS9 MS Standard C13 and N15-labeled recombinant protein (NP_001135743)Species:HumanSpecies:HEK293Expression DNA ClongRC226904Or AA Sequence:Species:Predicted MW:Sp. 2b.0Pretein Sequence:RC226904 protein sequenceProtein Sequence:NLFWYGLLILCGFLWTRKGKLKIEDITDKYIFITGCDSGFONLAARTFDKKGFHVTAACLTESGSTALK ACTSERTYLLDVTDPEWKRTAQWYKNVQEKGLWGLDNAACPGVQLAPTDWLTLEDVREPIEVMLFG LTSTUMMPLVKKQGRVTNVSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGDVLDSDVGKGLWGLDNAACPGVQLAPTDWLTLEDVREPIEVMLFG LTSTUMMPLVKKQGRVTNVSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGDVLDSDLQVGEKGLWGLDNAACPGVQLAPTDWLTLEDVREPIEVMLFG LTSTUMMPLVKKQGRVTNSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGDVLDSDLQVGEKGLWGLDNAACPGVQLAPTDWLTLEDVREPIEVMLFG LTSTUMMPLVKKQGRVTNSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTQGGVTPSSVAKGFNVSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSVMHDLSPVECMDHATSIEPGKAFG TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGGVTPSSVAKGFNSSLRDWKAFGWHSCIEPGLFK TNLAPOWKIKKLAWGRVTNSSVGRALTGGSTPSKAFGNSSTAKGNNSSVMDLSSVGRALTGGRVTPSKGRAMGRUMGRUMGRGR	Product Type:	Mass Spec Standards
Fxpression Host:HEK293Expression CDNA ClossRC226904Predicted MW:5.2 kDaPredicted MW:S.2 kDaProtein Sequence:Rc226904 protein sequence Red=Cloning site Green=Tags(s)MLFWV.GLLILCGFLWTRKGKLKIEDITDKYLFTIGCDSGFGNLAARTFDKKGFHYIAACLTESGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWLTACUTRSGSTALK AGTSERLRTVLLDVTDPENVKRTAQWYKNOCEKGLWGLINNAGVPGNUAPTDWETEVNLFGG LISVTLMPLVKKAQWYKNOCEKGLWGLINNAGVPGNUAPTDWETEVNLFGGLFK TNLAPVKVTEKKLATWEQLSPDIKQYGEGYTEKSLDKLKGNKSYNNDLSPVVECMDHALTSLFPKTH YAAGDAKTFWTLSHPWAALQDFLLLKQKAELANPKAVTag:CMJCJCCTag:CMJCJDKTag:CMJCJDKPartelckLISEEDLANDILDYKDDDKVTag:CMJCJDKStorage:CMJCJDKStorage:CMJCJDCStorage:CMTG:HC1:00 MM glycine, PH 7.3Storage:Storage:Storage:Storage:Storage:Storage:Storage:MLPO:I135743Refseq:MLPO:I135743Refseq:Storage:Storage:Sign-HSD; SALPHA-HSD; RDH-E2; RDH-TSE, RDHST, RDHTBE; RESTDRS; SDR9C4	Description:	DHRS9 MS Standard C13 and N15-labeled recombinant protein (NP_001135743)
Preseision cDNA CloomRC226904Predicted MW:5.2 kDaProtein Sequence:RC226904 protein sequenceProtein Sequence:RC226904 protein sequenceRed=Cloning site Green=Tags(s)WHEWUGLLILCGFLWTRKGKLKIEDITDKYIFITGCDSGFGNLAARTFDKKGFHVIAACLTESGSTALKAcTSERLRTVLLOVTDPENWKRAQWKNQVGEKGLWGLINNAGVGVLAPTDWLTLEDWREPTEVNLFGLISVTLMMEPLVKKAQGRYINVSSVGGRLAIVGGYTPSKYAVEGFNDSLRRDMKAGVKVSCIEPGLFKTATRPLEQKLISEEDLAANDILDYKDODDKVTag:CMyc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:S0m Tris-HCI, 100 mM glycine, pH 7.3Storage:Gione at -80°C. Avoid repeated freeze-thaw cycles.Stability:S100 for 3 months from receipt of products under proper storage and handling conditions.PefSeq Size:1483Refseq ORF:957Storage:057Storage:957	Species:	Human
or AA Sequence:Predicted MW:35.2 kDaProtein Sequence:>Rc226904 protein sequenceRed=Cloning site Green=Tags(s)WLFWLGLLILCGFLWTRKGKLKIEDITDKYIFITGCDSGFGNLAARTFDKKGFHVIAACLTESGSTALK AETSERLETVLLDVTDPENVKRTAØWVKNVOEKGLWGLINNAGVPCVLAPTDWLILEDYREPTEVNLFG LISVTINMLPLVKKAQGVINVSSVGGRLAIVGGFONSLARDMKAFGVHVSCIEPGLFK AETSERLETVLLDVTDPENVKRTAØWVKRVOEKGLWGLINNAGVPCVLAPTDWLITEDYREPTEVNLFG LISVTINMLPLVKKAQGVINVSSVGGRLAIVGGPOISSPNAGFONSLRRDMKAFGVHVSCIEPGLFK AETSERLETVLLDVTDPENVKRTAØWVKRVOEKGLWGLINNAGVPCVLAPTDWLITEDYREPTEVNLFG LISVTINMLPLVKKAQGVINVSSVGGRLAIVGGPOISSPNAGENDSLRRDMKAFGVHVSCIEPGLFK MLFWVEEKKLAIWEQLSPDIKQVGEGVIEKSLDKLKGNKSVVNMDLSPVECMDHALTSLFPKTH YAAGKDAKIFWIPLSHMPAALQDFLLLKQKAELANPKAVTag:CMyc/DDKFag:S0% as determined by SDS-PAGE and Coomassie blue stainingGoncentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:NP_001135743RefSeq ORF:1483RefSeq ORF:957Storage:1483Shorage:91Shorage:91Shorage:92Shorage:92Shorage:93Shorage:93Shorage:93Shorage:93Shorage:94Shorage:94Shorage:94Shorage:95Shorage: <t< th=""><th>Expression Host:</th><th>HEK293</th></t<>	Expression Host:	HEK293
Protein Sequence:>RC226904 protein sequence Red=Cloning site Green=Tags(s)WL FWVLGLLILCGFLWTRKGKLKIEDITDKYIFITGCDSGFGNLAARTFDKKGFHVIAACLTESGSTALK AETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLAPTDWLTLEDVREPIEVNLFG LISVTLMUPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCIEPGLFK TNLADPVKVIEKKLAIWEQLSPDIKQQYGEGYIEKSLDKLKGNKSYVNMDLSPVVECMDHALTSLFPKTH YAAGCDAKTFWIPLSHMPAALQPFLLLKQKAELANPKAVTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3Storage: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 Size:1483RefSeq ORF:957Synonyms:3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4	•	RC226904
Red=Cloning site Green=Tags(s)MLFWVLGLLILCGFLWTRKGKLKIEDITDKYIFITGCDSGFGNLAARTFDKKGFHVIAACLTESGSTALK AETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFG LISVTLNMLPLVKKAQGRVINVSSVGGRLAIVGGGYTESKJAVEGFNDSLRRDMKAFGVHVSCIEPGLFK TNLADPVKVIEKKLAIWEQLSPDIKQQYGEGYIEKSLDKLKGNKSVVNMDLSPVVECMDHALTSLFPKTH YAAGKDAKIFWIPLSHMPAALQDFLLLKQKAELANPKAVTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:1483RefSeq ORF:957Synonyms:3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4	Predicted MW:	35.2 kDa
AETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFG LISVTLNMLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCIEPGLFK LISVTLNMLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCIEPGLFK TNLADPVKVIEKKLAIWEQLSPDIKQQYGEGYTEKSLDKLKGNKSYVNNDLSPVVECMDHALTSLFPKTH /AAGKDAKIFWIPLSHMPAALQDELLLKQKAELANPKAVTRTPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.5 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:Stora et -80°C. Avoid repeated freeze-thaw cycles.Storage:Stole for 3 months from receipt of products under proper storage and handling conditions.RefSeqNP 001135743RefSeq ORF:957Synonyms:3-alpha-HSD; RDH-E2; RDH-TBE; RDH15; RDH1E; RETSDR8; SDR9C4	Protein Sequence:	
Tag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001135743RefSeq ORF:957Synonyms:Siapha-HSD; SADHA: SCDH: SCD		AETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFG LISVTLNMLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCIEPGLFK TNLADPVKVIEKKLAIWEQLSPDIKQQYGEGYIEKSLDKLKGNKSYVNMDLSPVVECMDHALTSLFPKTH
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001135743RefSeq ORF:957Synonyms:3-alpha-HSD; RDH-E2; RDH-TBE; RDH15; RDH1; RDHTBE; RETSDR8; SDR9C4		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001135743RefSeq Size:1483RefSeq ORF:957Synonyms:3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4	Tag:	C-Myc/DDK
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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 001135743RefSeq Size:1483RefSeq ORF:957Synonyms:3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4	Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
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RefSeq: NP 001135743 RefSeq Size: 1483 RefSeq ORF: 957 Synonyms: 3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
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Synonyms: 3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4	RefSeq Size:	1483
	RefSeq ORF:	957
Locus ID: 10170	Synonyms:	3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4
	Locus ID:	10170



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	DHRS9 (NM_001142271) Human Mass Spec Standard – PH326904
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 Pathway	s: 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]).

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