

Product datasheet for **AR50168PU-N**

DHRS9 (18-319, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DHRS9 (18-319, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGS HMRKGKL KIEDITDKYI FITGCDSGFG NLAARTFDKK GFHVIAACT ESGSTALKAE TSERLRTVLL DVTDPENVKR TAQWVKNQVG EKGLWGLINN AGVPGVLAPT DWLTLEDYRE PIEVNLFG LI SVTLNMLPLV KKAQGRVIN V SSVGGRLAIV GGGYTPSKYA VEGFNDSLRR DMKAFGVHVS CIEPGLFKN LADPVKVIK KLAWEQLSP DIKQQYGEY IEKSLDKLKG NKS YVNMDLS PWECMDHAL TSLFPKTHYA AGKDAKIFWI PLSHMPAALQ DFLLKQKAE LANPKAV
Tag:	His-tag
Predicted MW:	35.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DHRS9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001135742
Locus ID:	10170
UniProt ID:	Q9BPW9
Cytogenetics:	2q31.1



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Synonyms: 3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4

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:

