

Recombinant Full Length Human DHRS9 Protein, GST-tagged

Cat. No. DHRS9-2548HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DHRS9 full-length ORF (AAH58883, 1 a.a. - 319 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	319 amino acids
Description	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]
Molecular Mass	60.83 kDa
AA Sequence	MLFWVLGLLILCGFLWTRKGKLIKIEDITDKYIFITGCDSGFGNLAARTFDKKG FHVIAA CLTESGSTALKAETSERLRTVLLDVTDPENVKRTAQWVKNQVG EKGLWGLINNAGV PGVLAPT DWLTLEDYREPIEVNLFGLISVTLNMLPLVKKAQGRVINVSSVGGRLAIVG GGYTPSKYAVEGFND SLRRDMKAFGVHVSCIEPGLFKTNLADPVKVIEKKLAIWEQL SPDIKQQY GEGYIEKSLDKLKG NKSYVNMDLSPVVECMDHALTSLFPKTHYAAGKD

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	AKIFWIPLSHMPAALQDFLLKQKAELANPKAV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DHRS9 dehydrogenase/reductase (SDR family) member 9 [Homo sapiens]
Official Symbol	DHRS9
Synonyms	DHRS9; dehydrogenase/reductase (SDR family) member 9; dehydrogenase/reductase SDR family member 9; 3 alpha hydroxysteroid dehydrogenase; 3alpha HSD; NADP dependent retinol dehydrogenase/reductase; RDH15; RDHL; retinol dehydrogenase homolog; RETSDR8; SDR9C4; short chain dehydrogenase/reductase family 9C; member 4; RDH-E2; 3-alpha-HSD; 3-alpha hydroxysteroid dehydrogenase; short-chain dehydrogenase/reductase retSDR8; NADP-dependent retinol dehydrogenase/reductase; short chain dehydrogenase/reductase family 9C, member 4; RDHTBE; 3ALPHA-HSD;
Gene ID	10170
mRNA Refseq	NM_001142270

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Protein Refseq	NP_001135742
MIM	612131
UniProt ID	Q9BPW9

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