

Recombinant Human DHRS9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHRS9-3736H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHRS9 MS Standard C13 and N15-labeled recombinant protein (NP_954674) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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-androstenediol to dihydroxyprogesterone in the cytoplasm, and may additionally function as a transcriptional repressor in the nucleus. Alternative splicing results in multiple transcript variants.
Molecular Mass	35.2 kDa
AA Sequence	MLFWVLGLLILCGFLWTRKGKLIKIEDITDKYIFITGCDSGFGNLAARTFDKKG FHVIAA CLTESGSTALKAETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGV PGVLAPTDWLTLEDYREPIEVNLFGLISVTLNMLPLVKKAQGRVINVSSVGGRLAIVG GGYTPSKYAVEGFNDSLRRDMKAFGVHVSICIEPGLFKNLADPVKVIEKKLAIWEQL SPDIKQQYGEGYIEKSLDKLKGNKSYVNMDLSPVVECMDHALTSLFPKTHYAAGKD

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	AKIFWIPLSHMPAALQDFLLKQKAELANPKAVTRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DHRS9 dehydrogenase/reductase 9 [Homo sapiens (human)]
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

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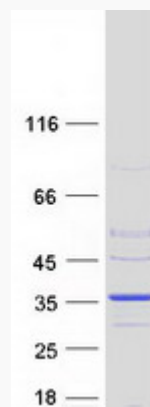
mRNA Refseq NM_199204

Protein Refseq NP_954674

MIM 612131

UniProt ID Q9BPW9

SDS-PAGE



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