

Product datasheet for **TP326895L**

DHRS9 (NM_001142270) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Homo sapiens dehydrogenase/reductase (SDR family) member 9 (DHRS9), transcript variant 3, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC226895 representing NM_001142270 Red =Cloning site Green =Tags(s) |

MLFWVLGLLILCGFLWTRKGLKIEDITDKYIFITGCDSGFGNLAARTFDKKGHFHIAACLTESGSTALK
AETSERLRTVLLDVTDPENVKRTAQWVKVQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFGL
LISVTNLMLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCIEPGLFK
TNLADPVKVIKLAWEQLSPDIKQQYGEYIEKSLDKLKGNSYVNMDLSPVVECMDHALTSLFPKTH
YAAGKDAKIFWIPLSHMPAALQDFLLKQKAELANPKAV

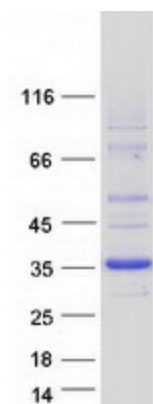
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|-----------------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 35 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_001135742</u> |
| Locus ID: | 10170 |



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| | |
|-------------------|---|
| UniProt ID: | <u>Q9BPW9</u> |
| RefSeq Size: | 1760 |
| Cytogenetics: | 2q31.1 |
| RefSeq ORF: | 957 |
| 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:

Coomassie blue staining of purified DHRS9 protein (Cat# [TP326895]). The protein was produced from HEK293T cells transfected with DHRS9 cDNA clone (Cat# [RC226895]) using MegaTran 2.0 (Cat# [TT210002]).