

Recombinant Human DHRS3, GST-tagged

Cat. No. DHRS3-11975H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DHRS3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-302a.a.
Description	Short-chain dehydrogenases/reductases (SDRs), such as DHRS3, catalyze the oxidation/reduction of a wide range of substrates, including retinoids and steroids (Haeseleer and Palczewski, 2000 [PubMed 10800688]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DHRS3 dehydrogenase/reductase (SDR family) member 3 [Homo sapiens]
Official Symbol	DHRS3

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Synonyms	DHRS3; dehydrogenase/reductase (SDR family) member 3; short-chain dehydrogenase/reductase 3; RDH17; retSDR1; Rsdr1; SDR1; SDR16C1; short chain dehydrogenase/reductase family 16C; member 1; short-chain dehydrogenase/reductase 1; retinal short-chain dehydrogenase/reductase 1; short chain dehydrogenase/reductase family 16C, member 1; DD83.1;
Gene ID	9249
mRNA Refseq	NM_004753
Protein Refseq	NP_004744
MIM	612830
UniProt ID	O75911
Chromosome Location	1p36.1
Pathway	Metabolic pathways, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; retinol biosynthesis, conserved biosystem; retinol biosynthesis, organism-specific biosystem; the visual cycle, conserved biosystem;
Function	NADP-retinol dehydrogenase activity; electron carrier activity; nucleotide binding; oxidoreductase activity;