

Recombinant Human RDH14 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RDH14-6316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RDH14 MS Standard C13 and N15-labeled recombinant protein (NP_065956) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Exhibits an oxidoreductive catalytic activity towards retinoids. Most efficient as an NADPH-dependent retinal reductase. Displays high activity toward 9-cis and all-trans-retinol. No steroid dehydrogenase activity detected.
Molecular Mass	36.9 kDa
AA Sequence	MAVATAAAVLAALGGALWLAARRFVGPRVQRLRRGGDPGLMHGKTVLITGANSGL GRATAAELLRLGARVIMGCRDRARAEAAAGQLRREL RQAAECGPEPGVSGVGELIV RELDLASLRSVRAFCQEMLQEEPRLDVLINNAGIFQCPYMKTEDGFEMQFGVNH LG HFLLTNLLLGLLKSSAPSRIVVSSKLYKYGDINFDDLNSEQSYNKSFCYSRSKLANIL FTRELARRLEGTVNTVNLVHPGIVRTNLGRHIHIPLLVKPLFNLVSWAFFKTPVEGAQ TSIYLASSPEVEGVSGRYFGDCKEEELLPKAMDESVARKLWDISEVMVGLLKTRTRP LEQKLISEEDLAANDILDYKDDDDKV
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

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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 RDH14 retinol dehydrogenase 14 [Homo sapiens (human)]

Official Symbol RDH14

Synonyms RDH14; retinol dehydrogenase 14 (all-trans/9-cis/11-cis); retinol dehydrogenase 14 (all trans and 9 cis); retinol dehydrogenase 14; PAN2; SDR7C4; short chain dehydrogenase/reductase family 7C; member 4; pancreas protein 2; alcohol dehydrogenase PAN2; retinol dehydrogenase 14 (all-trans and 9-cis); short chain dehydrogenase/reductase family 7C, member 4;

Gene ID 57665

mRNA Refseq NM_020905

Protein Refseq NP_065956

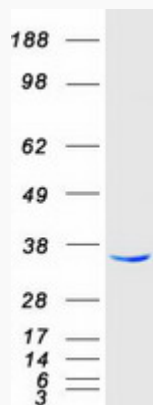
MIM 616796

UniProt ID Q9HBH5

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SDS-PAGE

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