

Recombinant Human RDH10 protein, GST-tagged

Cat. No. RDH10-2236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RDH10 protein(27-293 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	27-293 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	VRPKEKSVAGQVCLITGAGSGLGRLFALEFARRRALLVLWDINTQSNEETAGMVRHI YRDLEAADAALQAGNGEEEILPHCNLQVFTYTCDVGKRENVYLTAERVVRKEVGEV SVLVNNAGVVSGHHLLECPDELIERTMMVFNCHAHFWTTKAFLPTMLEINHGHIVTVA SSLGLFSTAGVEDYCASKFGVVGFFHESLSHELKAAEKDGIKTTLVCPYLVDTGMFRG CRIRKEIEPFLPPLKPDYCVKQAMKAILTDQPMICTPRLM
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name RDH10 retinol dehydrogenase 10 (all-trans) [Homo sapiens]

Official Symbol RDH10

Synonyms RDH10; retinol dehydrogenase 10 (all-trans); retinol dehydrogenase 10; SDR16C4; short chain dehydrogenase/reductase family 16C; member 4; short chain dehydrogenase/reductase family 16C, member 4;

mRNA Refseq NM_172037

Protein Refseq NP_742034

MIM 607599

UniProt ID Q8IZV5

Gene ID 157506

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SDS-PAGE

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