

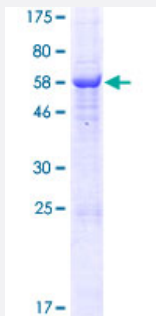
Full-Length

RDH10 (Human) Recombinant Protein (P01)

Catalog # H00157506-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RDH10 full-length ORF (NP_742034.1, 1 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNIVVEFFVVTFKVLWAFVLAAARWLVRPKEKSVAGQVCLITGAGSGLGRLFALEFARRRALLVLWDINTQSNEETAGMVRHIYRDLEAADAALQAGNGEEEILPHCNLQVFTYTCDVGKRENVYLTAERVRKEVGEVSVLVNNAGVVS GHHLLECPDELIERTMMVNCHAHFWTTKAFLPTMLEINHGIMTVASSLGLFSTAGVEDYCASKFGVVG FHESLSHELKAAEKDGKTTLVCPYLVD TG MFRGCRIRKEIEPFLPPLKPDYCVKQAMKAILTDQPMICTPRLMYVTFMKSILPFEAVVCMYRFLGADKCMYPFIAQRKQATNNNEAKNGI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RDH10

Entrez GeneID [157506](#)**GeneBank Accession#** [NM_172037.2](#)**Protein Accession#** [NP_742034.1](#)**Gene Name** RDH10**Gene Alias** SDR16C4**Gene Description** retinol dehydrogenase 10 (all-trans)**Omim ID** [607599](#)**Gene Ontology** [Hyperlink](#)

Gene Summary RDH10 generates all-trans retinal from all-trans retinol and may play an important role in the photic visual cycle. All-trans retinal is isomerized to 11-cis retinal by the retinal G protein-coupled receptor (RGR; MIM 600342) when the retinal pigment epithelium (RPE) is illuminated.[supplied by OMIM]

Other Designations retinol dehydrogenase 10|short chain dehydrogenase/reductase family 16C, member 4

Pathway

- [Metabolic pathways](#)
- [Retinol metabolism](#)