

Recombinant Human RDH11 Protein (22-318 aa), His-SUMO-tagged

Cat. No. RDH11-769H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RDH11 Protein (22-318 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	22-318 aa
Description	Exhibits an oxidoreductive catalytic activity towards retinoids. Most efficient as an NADPH-dependent retinal reductase. Displays high activity towards 9-cis and all-trans-retinol. Also involved in the metabolism of short-chain aldehydes. No steroid dehydrogenase activity detected.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.0 kDa
AA Sequence	PQIRKMLSSGVCTSTVQLPGKVVVVTGANTGIGKETAKELAQRGARVYLACRDVEK GELVAKEIQTTTGNQQVLVRKLDLSDTKSIRAFAGFLAEEKHLHVLINNAGVMMCP YSKTADGFEMHIGVNLGHFLLTHLLLEKLKESAPSRIVNVSSLAHHLGRIHFHNLQG EKFYNAGLAYCHSKLANILFTQELARRLKGSGVTTYSVHPGTVQSELVRHSSFMRW MWWLFSFFIKTPQQGAQTSLHCALTEGLEILSGNHFSDCHVAWVSAQARNETIARR

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	LWDVSCDLLGLPID
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	RDH11 retinol dehydrogenase 11 (all-trans/9-cis/11-cis) [Homo sapiens]
Official Symbol	RDH11
Synonyms	RDH11; ARSDR1; MDT1; SDR7C1; CGI82; PSDR1; RALR1; SCALD; HCBP12; FLJ32633;
Gene ID	51109
mRNA Refseq	NM_001252650
Protein Refseq	NP_001239579
MIM	607849

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UniProt ID

Q8TC12

116 kDa
66.2 kDa
45 kDa
35 kDa
25 kDa
18. kDa
14.4 kDa



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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