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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RDH12 (Human) Recombinant Protein (P01)

Catalog Number: H00145226-P01

Regulation Status: For research use only (RUO)

Product Description: Human RDH12 full-length ORF (NP_689656.1, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLVTLGLLTSFFSFLYMVAPSIRKFFAGGVCRTNVQLP
GKVVVITGANTGIGKETARELASRGARVYIACRDVLKG
ESAASEIRVDTKNSQVLVRKLDLSDTKSIRAF AEGFLAE
EKQLHILINNAGVMMCPYSKTADGFETHLGVNHLGHFL
LTYLLEQLKVSAPARVVNVSSVAHHIGKIPFHDLDQSEK
RYSRGFAYCHSKLANVLFTR ELAKRLQGTGVTTYAVH
PGVVRSELVRHSSLLCLLWRLFSPFVKTA REGAQTSL
HCALAEGLEPLSGKYFSDCKRTWVSPRARNNKTAERL
WNVSCCELLGIRWE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 61.5

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 145226

Gene Symbol: RDH12

Gene Alias: FLJ30273, LCA3, SDR7C2

Gene Summary: The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 3 (LCA3). [provided by RefSeq]