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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ADH1A (Human) Recombinant Protein (Q01)

Catalog Number: H00000124-Q01

Regulation Status: For research use only (RUO)

Product Description: Human ADH1A partial ORF (NP_000658, 298 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

DSQNLSMNPMLLLTGRTWKGAILGGFKSKECVPKLVA
DFMAKKFSLDALITHVLPFEKINEGFDLLHSGKSIRTILM
F

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 34.32

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: 124

Gene Symbol: ADH1A

Gene Alias: ADH1

Gene Summary: This gene encodes class I alcohol dehydrogenase, alpha subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids,

and lipid peroxidation products. Class I alcohol dehydrogenase, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. This gene is monomorphic and predominant in fetal and infant livers, whereas the genes encoding beta and gamma subunits are polymorphic and strongly expressed in adult livers. [provided by RefSeq]

References:

1. In vitro metabolism of a novel JNK inhibitor tanzisertib: interspecies differences in oxido-reduction and characterization of enzymes involved in metabolism. Atsriku C, Hoffmann M, Moghaddam M, Kumar G, Surapaneni S *Xenobiotica*. 2014 Dec 5:1-16.
2. ADH IB Expression, but Not ADH III, Is Decreased in Human Lung Cancer. Mutka SC, Green LH, Verderber EL, Richards JP, Looker DL, Chlipala EA, Rosenthal GJ. *PLoS One*. 2012;7(12):e52995. doi: 10.1371/journal.pone.0052995. Epub 2012 Dec 28.