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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ALDH7A1 (Human) Recombinant Protein (P01)

Catalog Number: H00000501-P01

Regulation Status: For research use only (RUO)

Product Description: Human ALDH7A1 full-length ORF (NP_001173.1, 1 a.a. - 511 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSTLLINQPQYAWLKELGLREENEGVYNGSWGGRGE
VITTYCPANNEPIARVRQASVADYEETVKKAREAWKIW
ADIPAPKRGEIVRQIGDALREKIQVLGSLVSLEMGIKLV
EGVGEVQEYVDICDYAVGLSRMIGGPILPSERSGHALI
EQWNPVGLVGIITAFNFPVAVYGWNNIAIMICGNVCL
WKGAPTTSLISVAVTKIIAKVLEDNKLPGAICSLTCGGA
DIGTAMAKDERVNLLSFTGSTQVGKQVGLMVQERFG
RSLLELGGNNAIAFEDADLSLVVPSALFAAVGTAGQR
CTTARRLFIHESIHDDEVNRLKKAYAQIRVGNPWDPNV
LYGPLHTKQAVSMFLGAVEEAKKEGGTVVYGGKVMMD
RPGNYVEPTIVTGLGHDASIAHTETFAPILYVFKFKNEE
EVFAWNNEVKQGLSSSIFTKDLGRIFRWLGPKGSDCG
IVNVNIPTSGAEIGGAFGGEKHTGGGRESGSDAWKQY
MRRSTCTINYSKDLPLAQQIKFQ

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 81.8

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: 501

Gene Symbol: ALDH7A1

Gene Alias: ATQ1, EPD, FLJ11738, FLJ92814, PDE

Gene Summary: Antiquitin is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. Mutations in this gene cause pyridoxine-dependent epilepsy, which involves a combination of various seizure types and is responsive to immediate administration of pyridoxine hydrochloride. Four additional human antiquitin-like sequences, all of which are pseudogenes, have also been identified. [provided by RefSeq]