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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ALDH5A1 (Human) Recombinant Protein (P01)

Catalog Number: H00007915-P01

Regulation Status: For research use only (RUO)

Product Description: Human ALDH5A1 full-length ORF (NP_001071.1, 1 a.a. - 535 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATCIWLRSCGARRLGSTFPGCRLRPRAGGLVPASG
PAPGPAQLRCYAGRLAGLSAALLRTDSFVGGRWLPAA
ATFPVQDPASGAALGMVADCGVREARAAVRAAYEAF
CRWREVSARKERSLLRKWYNLMIQNKDDLARIITAESG
KPLKEAHGEILYSAFFLEWFSEEARRVYGDIIHTPAKDR
RALVLKQPIGVAAVITPWNFPSAMITRKVGAALAAGCT
VVVKPAEDTPFSALALAEASQAGIPSGVYVNVIPCSRK
NAKEVGEAICTDPLVSKISFTGSTTTGKILLHHAANSVK
RVSMELGGLAPFIVFDSANVDQAVAGAMASKFRNTGQ
TCVCSNQFLVQRGIHDAFVKAFAEAMKKNLRVGNNGFE
EGTTQGPLINEKAVEKVEKQVNDVSKGATVVTGGKR
HQLGKNFFEPTLLCNVTQDMLCTHEETFGPLAPVIKFD
TEEEAIAIANAADVGLAGYFYSQDPAQIWRVAEQLEVG
MVGVNEGLISSVECPFGGVKQSGLGREGSKYGIDEYL
ELKYVCYGGGL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 83.6

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: 7915

Gene Symbol: ALDH5A1

Gene Alias: SSADH, SSDH

Gene Summary: This protein belongs to the aldehyde dehydrogenase family of proteins. This gene encodes a mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme, known as 4-hydroxybutyricaciduria, is a rare inborn error in the metabolism of the neurotransmitter 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumulate GHB, a compound with numerous neuromodulatory properties. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]