

Recombinant Human Aldehyde Dehydrogenase 3 Family, Member B2, GST-tagged

Cat. No. ALDH3B2-497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH3B2 protein was expressed as GST-tagged fusion proteins by E. coli and purified by GSH-sepharose. The purified ALDH3B2 was resolved in 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8) added with 100mM GSH and 1% Triton X-100, 15% glycerol.
Species	Human
Source	E.coli
Description	Aldehyde dehydrogenase family 3 member B2 is an enzyme that in humans is encoded by the ALDH3B2 gene. This gene encodes a member of the aldehyde dehydrogenase family, a group of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The gene of this particular family member is over 10 kb in length. The expression of these transcripts is restricted to the salivary gland among the human tissues examined. Alternate transcriptional splice variants have been characterized.
Antigen Peptide	92-385aa
Full Length	False
Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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Storage The protein is stored in PBS at -20°C. Repeated freeze-thaw cycles should be avoided.

GENE INFORMATION

Gene Name ALDH3B2 aldehyde dehydrogenase 3 family, member B2 [Homo sapiens]

Official Symbol ALDH3B2

Synonyms ALDH3B2; aldehyde dehydrogenase 3 family, member B2; ALDH8; aldehyde dehydrogenase family 3 member B2; OTTHUMP00000235616; aldehyde dehydrogenase 8; acetaldehyde dehydrogenase 8; EC1.2.1.5; EC1.2.1

Gene ID 222

mRNA Refseq NM_000695

Protein Refseq NP_000686

MIM 601917

UniProt ID P48448

Chromosome Location 11q13

Pathway Drug metabolism-cytochrome P450; Glycolysis / Gluconeogenesis; Histidine metabolism; Metabolic pathways; metabolism of xenobiotics by cytochrome P450; Phenylalanine metabolism; Tyrosine metabolism; beta-Alanine metabolism

Function 3-chloroallyl aldehyde dehydrogenase activity; aldehyde dehydrogenase [NAD(P)+] activity; oxidoreductase activity

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