

Product datasheet for **TP315367L**

Alcohol Dehydrogenase (ADH1A) (NM_000667) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human alcohol dehydrogenase 1A (class I), alpha polypeptide (ADH1A), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC215367 representing NM_000667 Red =Cloning site Green =Tags(s) |
| | <p>MSTAGKVIKCKAAVLWELKKPFSIEEVEVAPPKAHEVRIKMVAAGICRSDEHVSGNLVTPLPVILGHEA AGIVESVGEVTTVKPGDKVIPLFTPQCGKCRICKNPESNYCLKNDLGNPRGTLQDGTRRFTCSGKPIHH FVGSTFSQYTVVDENAVAKIDAASPLEKVCLIGCGFSTGYGSAVKVAKVTPGSTCAVFLGGVGLSVVM GCKAAGAARIIVDINKDKFAKAKELGATECINPQDYKKPIQEVLKEMTDGGVDFSEFVIGRLDTMMASL LCCHEACGTSVIVGVPPDSQNLNINPMLLLTGRTWKGAIFGGFKSKESVPKLVADFMAKKFLDALITNI LPFEKINEGFDLLRSGKSIRTILMF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 39.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_000658</u> |



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Locus ID: 124

UniProt ID: [P07327](#)

RefSeq Size: 1456

Cytogenetics: 4q23

RefSeq ORF: 1125

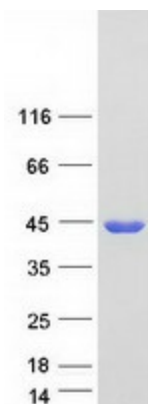
Synonyms: ADH1

Summary: This gene encodes a member of the alcohol dehydrogenase family. The encoded protein is the alpha subunit of class I alcohol dehydrogenase, which consists of several homo- and heterodimers of alpha, beta and gamma subunits. Alcohol dehydrogenases catalyze the oxidation of alcohols to aldehydes. This gene is active in the liver in early fetal life but only weakly active in adult liver. This gene is found in a cluster with six additional alcohol dehydrogenase genes, including those encoding the beta and gamma subunits, on the long arm of chromosome 4. Mutations in this gene may contribute to variation in certain personality traits and substance dependence. [provided by RefSeq, Nov 2010]

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - cytochrome P450, Fatty acid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism, Tyrosine metabolism

Product images:



Coomassie blue staining of purified ADH1A protein (Cat# [TP315367]). The protein was produced from HEK293T cells transfected with ADH1A cDNA clone (Cat# [RC215367]) using MegaTran 2.0 (Cat# [TT210002]).