

Product datasheet for **TP305391**

ADH1B (NM_000668) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human alcohol dehydrogenase 1B (class I), beta polypeptide (ADH1B), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC205391 protein sequence Red =Cloning site Green =Tags(s) |

MSTAGKVIKCKAAVLWEVKKPFSIEDVEVAPPKAYEVRIKMVAVGICRTDDHWVSGNLVTLPLPVILGHEA
AGIVESVGEVTTVKPGDKVIPLFTPQCGKCRVCKNPESNYCLKNDLGNPRGTLQDGTTRFTCRGKPIHH
FLGTSTFSQYTVVDENAVAKIDAASPLEKVCLIGCGFSTGYGSVAVNVAKVTPGSTCAVFLGGVGLSAVM
GCKAAGAARIIVDINKDKFAKAKELGATECINPQDYKKPIQEVLEKEMTDGGVDFSEVIGRLDTMMASL
LCCHEACGTSVIVGVPPASQNLNINPMLLLTGRTWKGAVYGGFKSKEGIPKLVADFMKKFSLDALITHV
LPFEKINEGFDLLHSGKSIRTVLTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|-----------------------|--|
| 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_000659</u> |



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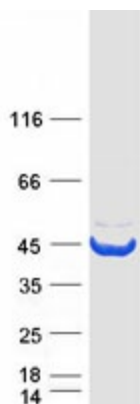
Locus ID: 125
UniProt ID: [P00325](#)
RefSeq Size: 2707
Cytogenetics: 4q23
RefSeq ORF: 1125
Synonyms: ADH2; HEL-S-117

Summary: The protein encoded by this gene 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. This encoded protein, 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]

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 ADH1B protein (Cat# TP305391). The protein was produced from HEK293T cells transfected with ADH1B cDNA clone (Cat# [RC205391]) using MegaTran 2.0 (Cat# [TT210002]).