

## Product datasheet for TP305391L

### ADH1B (NM\_000668) Human Recombinant Protein

#### Product data:

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

MSTAGKVIKCKAAVLWEVKKPFSIEDVEVAPPKAYEVRIKMOVAVGICRTDDHWVSGNLVTPLPVILGHEA  
AGIVESVGEVTTVKPGDKVIPLFTPQCGKCRVCKNPESNYCLKNDLGNPRGTLQDGTTRRFTCRGKPIHH  
FLGTSTFSQYTVVDENAVAKIDAASPLEKVCLIGCGFSTGYGSAVNVAKVTPGSTCAVFLGGVGLSAVM  
GCKAAGAARIIVDINKDKFAKAKELGATECINPQDYKKPIQEVLKEMTDGGVDFSEVIGRLDTMMASL  
LCCHEACGTSVIVGVPPASQNLNINPMLLLTGRTWKGAVYGGFKSKEGIPKLVADFMAKKFSLDALITHV  
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:	<a href="#">NP_000659</a>



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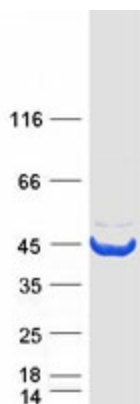
Locus ID: 125  
UniProt ID: [P00325](#), [V9HW50](#)  
RefSeq Size: 2707  
Cytogenetics: 4q23  
RefSeq ORF: 1125  
Synonyms: ADH2; HEL-S-117

**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]).