

Product datasheet for **AR50417PU-S**

Alcohol dehydrogenase 1C (ADH3) (1-375, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Alcohol dehydrogenase 1C (ADH3) (1-375, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMSTAGK VIKCKAAVLW ELKKPFSIEE VEVAPPKAHE VRIKMVAAGI CRSDEHVVS G NLVTPLPVIL GHEAAGIVES VGEGVTTVKP GDKVIPLFTP QCGKCRICKN PESNYCLKND LGNPRGTLQD GTRRFTCSGK PIHHFVGVST FSQYTVVDEN AVAKIDAASP LEKVCLIGCG FSTGYGSAVK VAKVTPGSTC AVFGLGGVGL SVVMGCKAAG AARIIAVDIN KDKFAKAKEL GATECINPQD YKKPIQEV LK EMTDGGVDFS FEVIGRLDTM MASLLCCH EA CGTSVIVGVP PDSQNLSINP MLLLTGRTWK GAIFGGFKSK ESVPKLVADF MAKKFSLDAL ITNILPFEKI NEGFDLLRSG KSIRTVLTF
Tag:	His-tag
Predicted MW:	42.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 2 mM DTT, 200 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ADH1C protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000660
Locus ID:	126
UniProt ID:	P00326
Cytogenetics:	4q23



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Synonyms: ADH1C, Alcohol dehydrogenase subunit gamma

Summary: This gene encodes class I alcohol dehydrogenase, gamma subunit, which 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. Class I alcohol dehydrogenase, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation to acetaldehyde, thus playing 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. An association between ADH1C polymorphism and alcohol dependence has not been established. [provided by RefSeq, Sep 2019]

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:

