Product information

ADH1A, 1-375aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3480

Full name: Alcohol dehydrogenase 1A

NCBI Accession No.: NP_000658

Synonyms: ADH1A, ADH1

Description: ADH1A, also known as alcohol dehydrogenase 1A, belongs to the alcohol dehydrogenase family. It plays a key role in hepatic alcohol catabolism. Its activity may be the cause of disorders in metabolic pathways that use these isoenzymes and could increase the concentration of acetaldehyde, which is cancerogenic substance. It is positively correlated with those of CDR1, CDR2 and FLU1. Recombinant human ADH1A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

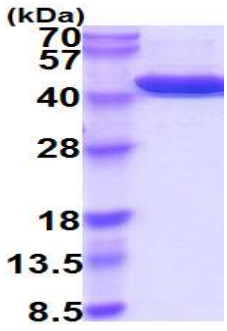
Molecular Weight: 40.6kDa (381aa)
40-57kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Met1

Purity: > 95% by SDS - PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1μg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MSTAGKVIKC KAAVLWELKK PFSIEEVEVA PPKAHEVRIK MVAVGICGTD DHVVSGTMVT PLPVILGHEA AGIVESVGEG VTTVKPGDKV IPLAIPQCGK CRICKNPESN YCLKNDVSNP QGTLQDGTSR FTCRRKPIHH FLGISTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVNVAKV TPGSTCAVFG LGGVGLSAIM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP IQEVLKEMTD GGVDFSFEVI GRLDTMMASL LCCHEACGTS VIVGVPPDSQ NLSMNPMLLL TGRTWKGAIL GGFKSKECVP KLVADFMAKK FSLDALITHV LPFEKINEGF DLLHSGKSIR TILMFHHHHH H

General references:

Orywal K., *et al.* (2010) *J Clin Lab Anal.* 24:334-339.

Yasunami M., *et al.* (1990) *Genomics.* 7:152-158.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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