Datasheet for ABIN7318140

ADH7 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	ADH7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADH7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ADH7 Protein (His Tag)
Sequence:	Met 1-Phe386
Characteristics:	Recombinant Human Alcohol Dehydrogenase Class 4 Mu/Sigma Chain is produced by our Mammalian expression system and the target gene encoding Met1-Phe386 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ADH7
Alternative Name:	ADH7 (ADH7 Products)
Background:	Background: Alcohol dehydrogenase class 4 mu/sigma chain (ADH7) is a cytoplasm enzyme which is a member of the alcohol dehydrogenase family. The expression of this gene makes it

Target Details

	much more abundant in the stomach than the liver, thus it differs from the other known gene family members. ADH7 may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. Medium-chain (octanol) and aromatic (m-nitrobenzaldehyde) compounds are the best substrates. Ethanol is not a good substrate but at the high ethanol concentrations reached in the digestive tract, it plays a role in the ethanol oxidation and contributes to the first pass ethanol metabolism. Synonym: Alcohol Dehydrogenase Class 4 Mu/Sigma Chain, Alcohol Dehydrogenase Class IV Mu/Sigma Chain, Gastric Alcohol Dehydrogenase, Retinol Dehydrogenase, ADH7
Molecular Weight:	42.5 kDa
UniProt:	P40394

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.