Recombinant Human Alcohol Dehydrogenase Class 4 Mu/ADH7 Protein(C-6His)

Cat.NO.: TP05891

3th Edition

Synonyms: Alcohol Dehydrogenase Class 4 Mu/Sigma Chain; Alcohol Dehydrogenase Class IV Mu/Sigma Chain; Gastric Alcohol Dehydrogenase; Retinol Dehydrogenase; ADH7

Description: 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 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.

Form:PBS

Molecular Weight:42.5 kDa

Sequences: Met 1-Phe386

Purity:> 95% by HPLC

Concentration:

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

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.