

Product datasheet for **TP726930**

ADH7 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Alcohol Dehydrogenase Class 4 Mu/ADH7 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Phe386
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	131
UniProt ID:	P40394
Synonyms:	Alcohol Dehydrogenase Class 4 Mu/Sigma Chain; Alcohol Dehydrogenase Class IV Mu/Sigma Chain; Gastric Alcohol Dehydrogenase; Retinol Dehydrogenase; ADH7
Summary:	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.
Protein Families:	Druggable Genome



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Protein Pathways: Drug metabolism - cytochrome P450, Fatty acid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism, Tyrosine metabolism