

Product datasheet for PH319515

ADH6 (NM_001102470) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ADH6 MS Standard C13 and N15-labeled recombinant protein (NP_001095940)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219515
Predicted MW:	39.6 kDa
Protein Sequence:	>RC219515 representing NM_001102470 Red=Cloning site Green=Tags(s) MSTTGQVIRCKAAILWKPGAPFSIEEVEVAPPKAKEVRIKVVATGLCGTEMKVLGSKHLDLLYPTILGHE GAGIVESIGEGVSTVKPGDKVITLFLPQCGETSCLNSEGNFCIQFKQSKTQLMSDGTSRFTCKGKSIYH FGNTSTFCEYTVIKEISVAKIDAVAPLEKVCLISCGFSTGFGAAINTAKVTPGSTCAVFLGGVGLSVVM GCKAAGAARIIGVDVNKEKFKKAQELGATECLNPQDLKKPIQEVLFDMTDAGIDFCFEAIGNLDVLAAL ASCNESYGVVGVLPASVQLKISGQLFFSGRSLKGSVFGGWKSRQHIPKLVADYMAEKLNDPLITHT LNLDKINEAVELMKTGKCIRCILL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001095940</u>
RefSeq Size:	2803
RefSeq ORF:	1125
Synonyms:	ADH-5
Locus ID:	130



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UniProt ID: [P28332](#), [Q8IUN7](#)

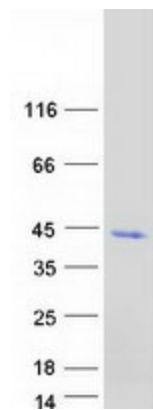
Cytogenetics: 4q23

Summary: This gene encodes class V alcohol dehydrogenase, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This gene is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' UTR, which is a steroid hormone receptor binding site. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

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:



Coomassie blue staining of purified ADH6 protein (Cat# [TP319515]). The protein was produced from HEK293T cells transfected with ADH6 cDNA clone (Cat# [RC219515]) using MegaTran 2.0 (Cat# [TT210002]).