

Product datasheet for PH313029

ALDH8A1 (NM_022568) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALDH8A1 MS Standard C13 and N15-labeled recombinant protein (NP_072090)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213029
Predicted MW:	53.4 kDa
Protein Sequence:	>RC213029 protein sequence Red=Cloning site Green=Tags(s)

MAGTNALLMLENFIDGKFLPCSSYIDSYPSTGEVYCRVPNSGKDEIEAAVKAAREAFPSWSSRSPQERS
RVLNQVADLLEQSLLEEFQAESKDQGKTLALARTMDIPRSVQNFRRFFASSLHHTSECTQMDHLGCMHYT
VRAPVGVAGLISPNWLPYLLTWKIAPAMAAGNTVIAKPELTSVTAWMLCKLLDKAGVPPGVVNIIVFGT
GPRVGEALVSHPEVPLISFTGSQPTAERITQLSAPHCKKLSLELGGKNPAIIFEDANLDECIPATVRSSF
ANQGEICLCTSRIFVQKSIYSEFLKRFVEATRKWKVGIPSDPLVSIKALISKAHLEKVRSYVKRALAEGA
QIWCGEVDKLSLPARNQAGYFMLPTVITDIKDESCCMTEEIFGPVTCVVPFDSEEEVIERANNVKYGLA
ATVWSSNVGRVHRVAKKLQSGLVWNTNCWLIRELNLPFGGMKSSGIGREGAKDSYDFTEIKTITVKH

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_072090</u>
RefSeq Size:	2567
RefSeq ORF:	1461
Synonyms:	ALDH12; DJ352A20.2



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Locus ID: 64577

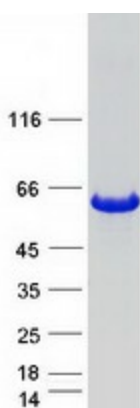
UniProt ID: [Q9H2A2](#)

Cytogenetics: 6q23.3

Summary: This gene encodes a member of the aldehyde dehydrogenase family of proteins. The encoded protein has been implicated in the synthesis of 9-cis-retinoic acid and in the breakdown of the amino acid tryptophan. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. In addition, this enzyme has been shown to catalyze the conversion of 2-aminomuconic semialdehyde to 2-aminomuconate in the kynurenine pathway of tryptophan catabolism. [provided by RefSeq, Jul 2018]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ALDH8A1 protein (Cat# [TP313029]). The protein was produced from HEK293T cells transfected with ALDH8A1 cDNA clone (Cat# [RC213029]) using MegaTran 2.0 (Cat# [TT210002]).