

Product datasheet for TP313029

ALDH8A1 (NM_022568) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human aldehyde dehydrogenase 8 family, member A1 (ALDH8A1), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC213029 protein sequence Red=Cloning site Green=Tags(s) |

MAGTNALLMLENFIDGKFLPCSSYIDSYPSTGEVYCRVPNSGKDEIEAAVKAAREAFPSWSSRSPQERS
RVLNQVADLLEQSLEEFQAESKDQGKTLALARTMDIPRSVQNFRRFFASSSLHHTSECTQMDHLGCMHYT
VRAPVGVAGLISPWNLPYLLTWKIAPAMAAGNTVIAKPSELTSVTAWMLCKLLDKAGVPPGVNIVFGT
GPRVGEALVSHPEVPLISFTGSQPTAERITQLSAPHCKKLSLELGKKNPAIFEDANLDECIPATVRSSF
ANQGEICLCTSRIFVQKSIYSEFLKRFVEATRKKWVGIPSDPLVSIGALISKAHLEKVRSYVKRALAEGA
QIWCGEGVDKLSLPARNQAGYFMLPTVITDIKDESCMTEEIFGPVTCVVPFDSEEEVIERANNVKYGLA
ATWSSNVGRVHRVAKKLQSGLVWTCNLWIRELNLFPFGGMKSSGIGREGAKDSYDFTEIKTIVKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 53.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



[View online »](#)

RefSeq: [NP_072090](#)

Locus ID: 64577

UniProt ID: [Q9H2A2](#)

RefSeq Size: 2567

Cytogenetics: 6q23.3

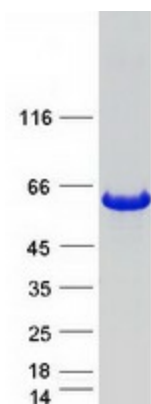
RefSeq ORF: 1461

Synonyms: ALDH12; DJ352A20.2

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]).