

Product datasheet for **TP508902**

Aldh4a1 (NM_175438) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse aldehyde dehydrogenase 4 family, member A1 (Aldh4a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR208902 protein sequence
Red=Cloning site **Green**=Tags(s)

MLPLPSLRRLSHAWRSAGLRWKHTSSLKVANEPILAFSQGSPERDALQKALKDLKGQTEAIPCWVGDE
EVWTSDIQYQLSPFNHAHKVAKFCYADKALLNRAIDAALAARKEWDLKPMADRAQVFLKAADMLSGPRRA
EVLAKTMVGGKTVIQAEIDAAAELIDFFRFNAKFAVELEGEQPISVPPSTNHTVYRGLGEGFVAAISPFN
FTAIGGNLAGAPALMGNNVWLKPSDTAMLASYAVYRILREAGLPPNIIQFVPADGPTFGDVTSSSEHLG
INFTGSVPTFKHLWRQVAQNDRFRTFRLAGECGGKNFHFVHSSADVDSVSGTLRSFAFEYGGQKCSAC
SRLYVPKSLWPQIKGRLLLEEHSRIKVGDP AEDFGTFFSAVIDAKAFARIKKWLEHARSSPSLSILAGGQC
NESVGYVVEPCIIESKDPQEPIMKEEIFGPVLT VYVYPDDKYRETLKLV DSTTSYGLTGAVFAQDKAIVQ
EATRMLRNAAGNFYINDKSTG SVVGQQPFGGARASGTNDKPGGPHYILRWTS PQVIKETHKPLGDWRYSY
MQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 61.8 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

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 after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_780647
Locus ID:	212647
UniProt ID:	Q8CHT0
RefSeq Size:	3355
Cytogenetics:	4 70.79 cM
RefSeq ORF:	1689
Synonyms:	A930035F14Rik; Ahd-1; Ahd1; Aldh4; Aldh5a1; E330022C09; P5cd; P5cdh; P5cdhl; P5cdhs; Ssdh1
Summary:	Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes (By similarity).[UniProtKB/Swiss-Prot Function]