

## Product datasheet for **TP508298**

### **Aldh1a2 (NM\_009022) Mouse Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse aldehyde dehydrogenase family 1, subfamily A2 (Aldh1a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR208298 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MTSSEIAMPGEVKADPAALMASLQLLPSPTPNLEIKYTKIFINNEWQNSESGRVFPVCNPATGEQVCEVQ  
EADKVDIDKAVQAARLAFSLGSVWRRMDASERGRLLDKLADLVERDRATLATMESLNGGKPFQAFYIDL  
QGVIKTLRYAGWADKIHGMTIPVDGDYFTFTRHEPIGVCGQIIPWNFLLMFTWKIAPALCCGNTTVIK  
PAEQTPLSALYMGALIKEAGFPPGVVNILPGYGPTAGAAIASHIGIDKIAFTGSTEVGKLIQEAAGRSNL  
KRVTLLELGGKSPNIIIFADADLDYAVEQAHQGVFFNQGCCTAGSRIFVEESIYEEFVKRSVERAKRRIVG  
SPFDPTTEQGPQIDKKQYNKVLELIQSGVAEGAKLECGGKGLGRKGFFIEPTVFSNVTDDMRIAKEEIFG  
PVQEILRFKTMDEVIERANNSDFGLVAAVFTNDINKALMVSSAMQAGTVWINCYNALNAQSPFGGFKMSG  
NGREMGFGLREYSEVKTVTKIPQKNS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 56.6 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.

**RefSeq:** [NP\\_033048](#)



[View online »](#)

Locus ID:	19378
UniProt ID:	<a href="#">Q62148</a>
RefSeq Size:	2264
Cytogenetics:	9 39.85 cM
RefSeq ORF:	1557
Synonyms:	Aldh1a7; AV116159; Raldh1; Raldh2
Summary:	Converts retinaldehyde to retinoic acid (PubMed:8797830). Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal (By similarity). Lacks activity with benzaldehyde, acetaldehyde and octanal (PubMed:8797830). Displays complete lack of activity with citral (By similarity).[UniProtKB/Swiss-Prot Function]