

## Product datasheet for **TP508207**

### **Aldh7a1 (NM\_001127338) Mouse Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse aldehyde dehydrogenase family 7, member A1 (Aldh7a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR208207 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSTLLIHPQYAWLQDLGLREDNEGVYNGSWGGRGEVITTYCPANNEPIARVRQASLKDYEETIGKAKKA  
WNIWADIPAPKRGEIVRKIGDAFREKIQLLGRVLSLEMGKILVEGIGEVQEYVDVCDYAAGLSRMIGGPT  
LPSEPGHALIEMWNPLGLVGIITAFNFPVAVFGWNNALITGNVCLWKGAPTTSLVSVAVTKIIAQVL  
EDNLLPGAICSLVCGGADIGTTMARDERNLLSFTGSTQVGKEVALMVQERFGKSLELGGNNAIIFED  
ADLSLVVPSVLFAAVGTAGQRCTTVRRLFLHESIHNNEVDRLRSAYSQIRVGNPWPDPNILYGPLHTKQAV  
SMFVRAVEEAKKQGGTVVYGGKVM DHPGNYVEPTIVTGLAHDAPIVHQETFAPILYVFKFQDEEEVFEWN  
NEVKQGLSSSIFTKDLGRIFRWLGPKGSDCGIVNVNIPTSGAEIGGAFGGKHTGGGREGSDAWKQYMR  
RSTCTINYSTSLPLAQGIKFQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 55.6 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\\_001120810](#)



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**Locus ID:** 110695

**UniProt ID:** [Q9DBF1](#)

**RefSeq Size:** 3105

**Cytogenetics:** 18 30.55 cM

**RefSeq ORF:** 1536

**Synonyms:** Atq1; D18Wsu181e

**Summary:** Multifunctional enzyme mediating important protective effects. Metabolizes betaine aldehyde to betaine, an important cellular osmolyte and methyl donor. Protects cells from oxidative stress by metabolizing a number of lipid peroxidation-derived aldehydes. Involved in lysine catabolism (By similarity).[UniProtKB/Swiss-Prot Function]