



ALDH2,18-517aa, Human, Recombinant, E.coli

Cat.NO.: TP01124

3th Edition

Synonyms: Aldehyde dehydrogenase, mitochondrial; ALDH-E2; ALDHI; ALDM.

Description: ALDH2 (Aldehyde dehydrogenase 2 family) belongs to the aldehyde dehydrogenase family which catalyze the chemical transformation from acetaldehyde to acetic acid and is the second enzyme of the major oxidative pathway of alcohol metabolism.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 1 mM EDTA, 10% glycerol

Molecular Weight: 54.5 kDa (501aa), confirmed by MALDI-TOF.

Sequences:

MSAAATQAVPAPNQQPEVFCNQIFINNEWDAVSRKTFPTVNPNSTGEVICQVAEGDKEDVDKAVKAARAAFQLGS
PWRRMDASHRGRLLNRLADLIERDRTYLAALLETLDNGKPYVISYLVLDLMVLKCLRYYAGWADKYHGKTIPIDGDFF
SYTRHEPVGVCQQIIPWNFPPLMQAWKLGPALATGNVVVMKVAEQTPLTALYVANLIKEAGFPPGVVNIVPGFGPT
AGAAIASHEDVDKVAFTGSTEIGRVIQVAAGSSNLKRVTLELGGKSPNIIMSDADMDWAVEQAHFALFFNQGQCCC
AGSRTFVQEDIYDEFVERSVARAKSRVVGNNPFDKTEQGPQVDETQFKKILGYINTGKQEGAKLLCGGGIAADRGY
FIQPTVFGDVQDGMTIAKEEIFGPVMQILKFKTIEEVVGRANNSTYGLAAAVFTKDLDKANYLSQALQAGTVWVNCY
DVFGAQSPFGGYKMSGSGRELGEYGLQAYTEVKTVKVPQKNS

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.