

Mouse ALDH2 Recombinant Protein



RPPB1387

Product Information Protein Information

Product SKU:

RPPB1387

Accession:

P47738

Host:

Escherichia Coli.

Protein description:

ALDH2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 523 amino acids (20-519) and having a molecular mass of 56.8kDa. ALDH2 Mouse is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Aldehyde dehydrogenase, mitochondrial, AHD-M1, ALDH class 2, ALDH-E2, ALDHI.

Formulation:

ALDH2 Mouse protein (0.5mg/ml) is formulated in Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.

Purity:

Greater than 95% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSSAAATSA VPAPNHQPEV FCNQIFINNE WHDAVSRKTF PTVNPSTGEV
ICQVAEGNKE DVDKAVKAARAAFQLGSPWR RMDASDRGRL LYRLADLIER DRTYLAALET LDNGKPYVIS
YLVLDLDMVLK CLRYAGWAD KYHGKTIPIID GFFSYTRHEPVGVCQIIP WNFPLLMQAW KLGALATGN
VVVMKVAEQT PLTALYVANL IKEAGFPPGV VNIVPGFGPT AGAAIASHEG VDKVAFTGSTEVGHLIQVAA
GSSNLKRVTLELGGKSPNII MSDADMDWAV EQAHFALFFN QGQCCAGSR TFVQENVYDE FVERSVARAK
SRVVGPNPFDSTRTEQGPQVDE TQFKKILGYI KSGQQEGAKL LCGGAAADR GYFIQPTVFG DVKDGMTIAK
EEIFGPVMQI LKFKTIEEVV GRANDSKYGLAAAVFTKDLD KANYLSQALQ AGTVWENCYD VFGAQSPFGG
YKMSGSGREL GEYGLQAYTE VKTVTVKVPQ KNS.

Biological Activity:

Specific activity is > 180 pmol/min/ug, and was obtained by measuring the increase of NADH in absorbance at 340 nm resulting from the reduction of NAD at pH 8.0 at 25C.