

Human ALDH2 Recombinant Protein



RPPB5802

Product Information Protein Information

Product SKU:

RPPB5802

Accession:

P05091

Host:

Escherichia Coli.

Protein description:

ALDH2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 501 amino acids (18-517 a.a.) & having a molecular mass of 54.5 kDa. The ALDH2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

ALDM, ALDHI, ALDH-E2, MGC1806, ALDH2, Aldehyde dehydrogenase mitochondrial, ALDH class 2.

Formulation:

ALDH2 protein (1mg/ml) contains 20mM Tris-HCl buffer, pH-7.5, 1mM DTT, 1mM EDTA and 10% Glycerol.

Purity:

Greater than 90.0% 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). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MSAAATQAVP APNQQPEVFC NQIFINNEWH DAVSRKTFPT VNPSTGEVIC QVAEGDKEDV DKAVKAARAA
FQLGSPWRRM DASHRGRLNRLADLIERDR TYLAALETLD NGKPYVISYL VDLDMLKCL RYYAGWADKY
HGKTIPIDGD FFSYTRHEPV GVCQIIPWN FPLMQAWKL GPALATGNVV VMKVAEQTPL TALYVANLIK
EAGFPPGVVN IVPFGPTAG AAIASHEDVD KVAFTGSTEI GRVIQVAAGS SNLKRVTLEL G GKSPNIIMS
DADMDWAVEQ AHFALFFNQG QCCCAGSRTF VQEDIYDEFV ERSVARAKSR VVGNPFDSKT EQGPQVDETQ
FKKILGYINT GKQEGAKLLC GGGIAADRGY FIQPTVFGDV QDGMTIAKEE IFGPVMQILK FKTIEEVVGR
ANNSTYGLAA AVFTKDLDKA NYLSQALQAGTVVWNCYDVF GAQSPFGGYK MSGSGRELGE YGLQAYTEVK
TDTVKVPQKN S.

Biological Activity:

Specific activity was found to be > 250pmol/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 25°C.