

Human ALDH5A1 Recombinant Protein



RPPB1389

Product Information Protein Information

Product SKU:

RPPB1389

Accession:

P51649

Host:

Escherichia Coli.

Protein description:

ALDH5A1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 509 amino acids (48-535 a.a.) and having a molecular mass of 54.6kDa. The ALDH5A1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Succinate-semialdehyde dehydrogenase mitochondrial, Aldehyde dehydrogenase family 5 member A1, NAD(+)-dependent succinic semialdehyde dehydrogenase, ALDH5A1, SSADH, SSDH.

Formulation:

The ALDH5A1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol 1mM DTT, 0.1M NaCl and 1mM EDTA.

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). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHH SSGLVPRGSH MAGRLAGLSA ALLRTDSFVG GRWLPAAATF PVQDPASGAA LGMVADCGVR
EARAAVRAAY EAFCRWREVS AKERSLLRK WYNLMIQNKD DLARIITAES GKPLKEAHGE ILYSAFFLEW
FSEEARRVYG DIIHTPAKDR RALVLKQPIG VAAVITPWNF PSAMITRKBG AALAAGCTVV VKPAEDTPFS
ALALAEASQ AGIPSGVYNV IPCSRKNAKE VGEAICTDPL VSKISFTGST TTGKILLHHA ANSVKRVSM
LGGLAPFIVF DSANVDQAVA GAMASKFRNT GQTCVCSNQF LVQRGIHDAF VKAFAMK NLRVGNLFEE
GTTQGPLINE KAVEKVEKQV NDAVSKGATV VTGGKRHQLG KNFFPEPTLLC NVTQDMLCTH EETFGLAPV
IKFDTEEEAI AIANAADVGL AGYFYSQDPA QIWRVAEQLE VGMVGVNEGL ISSVECPFGG VKQSGLGREG
SKYGIDEYLE LKYVCYGG.