

Recombinant Aldehyde Dehydrogenase 1 Family, Member B1 (ALDH1B1) Instruction Manual

SIPE893Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	59.0kDa
Accurate Molecular Mass	59kDa(Analysis of differences refer to the manual)
Residues & Tags	Arg18~Ser517 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	6.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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RYS SAAALPSPIL NPDIPYNQLF INNEWQDAVS
KKTFTVNPT TGEVIGHVAE GDRADVDRV KAAREAFRLG SPWRRMDASE
RGRLNLLAD LVERDRVYLA SLETLDNGKP FQESYALDLV EVIKVYRYFA
GWADKWHGKT IPMDGQHFCF TRHEPVGVCV QIIPWNFPLV MQGWKLAPAL
ATGNTVVMKV AEQTPLSALY LASLIKEAGF PPGVNIITG YGPTAGAAIA
QHVDVDKVAF TGSTEVGHLI QKAAGDSNLK RVTLELGGKS PSIVLADADM
EHAVEQCHEA LFFNMQCCC AGSRTFVEES IYNEFLERTV EKAKQRKVGK
PFELDTQQGP QVDKEQFERV LGYIQLGQKE GAKLLCGGER FGERGFFIKP
TVFGGVQDDM RIAKEEIFGP VQPLFKFKKI EEVVERANNT RYGLAAAVFT
RDLDKAMYFT QALQAGTVWV NTYNIIVTCHT PFGGFKESGN GRELGEDGLK
AYTEVKVTI KVPQKNS
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USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

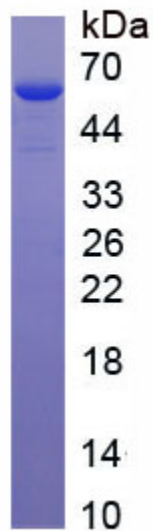


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.