Recombinant Human Aldehyde dehydrogenase X, mitochondrial (ALDH1B1)

Product Code	CSB-EP001568HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P30837
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	RYS SAAALPSPIL NPDIPYNQLF INNEWQDAVS KKTFPTVNPT TGEVIGHVAE GDRADVDRAV KAAREAFRLG SPWRRMDASE RGRLLNLLAD LVERDRVYLA SLETLDNGKP FQESYALDLD EVIKVYRYFA GWADKWHGKT IPMDGQHFCF TRHEPVGVCG QIIPWNFPLV MQGWKLAPAL ATGNTVVMKV AEQTPLSALY LASLIKEAGF PPGVVNIITG YGPTAGAAIA QHVDVDKVAF TGSTEVGHLI QKAAGDSNLK RVTLELGGKS PSIVLADADM EHAVEQCHEA LFFNMGQCCC AGSRTFVEES IYNEFLERTV EKAKQRKVGN PFELDTQQGP QVDKEQFERV LGYIQLGQKE GAKLLCGGER FGERGFFIKP TVFGGVQDDM RIAKEEIFGP VQPLFKFKKI EEVVERANNT RYGLAAAVFT RDLDKAMYFT QALQAGTVWV NTYNIVTCHT PFGGFKESGN GRELGEDGLK AYTEVKTVTI KVPQKNS
Source	E.coli
Target Names	ALDH1B1
Protein Names	Recommended name: Aldehyde dehydrogenase X, mitochondrial EC= 1.2.1.3 Alternative name(s): Aldehyde dehydrogenase 5 Aldehyde dehydrogenase family 1 member B1
Expression Region	18-517
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.