



# Recombinant Human Aldehyde dehydrogenase X, mitochondrial (ALDH1B1)

<b>Product Code</b>	CSB-MP001568HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P30837
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	RYS SAAALPSPIL NPDIPYNQLF INNEWQDAVS KKTFTVNPT TGEVIGHVAE GDRADVDRV KAAREAFRLG SPWRRMDASE RGRLLNLLAD LVERDRVYLA SLETLDNGKP FQESYALDL EVIKVYRYFA GWADKWHGKT IPMDGQHFCF TRHEPVGVC G QIIPWNFPLV MQGWKLAPAL ATGNTVVMKV AEQTPLSALY LASLIKEAGF PPGVVNIITG YGPTAGAAIA QHVDVDKVAF TGSTEVGHLI QKAAGDSNLK RVTLELGGKS PSIVLADADM EHAVEQCHEA LFFNMGQCCC AGSRTFVEES IYNEFLERTV EKAKQRKVG N PFELDTQQGP QVDKEQFERV LGYIQLGQKE GAKLLCGGER FGERGFFIKP TVFGGVQDDM RIAKEEIFGP VQPLFKFKKI EEVVERANNT RYGLAAAVFT RDLDKAMYFT QALQAGTVWV NTYNIVTCHT PFGGFKESGN GRELGEDGLK AYTEVKVTI KVPQKNS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ALDH1B1
<b>Protein Names</b>	Recommended name: Aldehyde dehydrogenase X, mitochondrial EC= 1.2.1.3 Alternative name(s): Aldehyde dehydrogenase 5 Aldehyde dehydrogenase family 1 member B1
<b>Expression Region</b>	18-517
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.