



Recombinant Human Aldehyde dehydrogenase family 3 member B1 (ALDH3B1)

Product Code	CSB-EP001574HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P43353
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MDPLGDTLRR LREAFHAGRT RPAEFRAAQL QGLGRFLQEN KQLLDALAQ DLHKSAFESE VSEVAISQGE VTLALRNLRA WMKDERVPKN LATQLDSAFI RKEPFGLVLI IAPWNYPLNL TLVPLVGALA AGNCVVLKPS EISKNVEKIL AEVLPQYVDQ SCFAVVLGGP QETGQLEHR FDYIFFTGSP RVGKIVMTAA AKHLTPVTLE LGGKNPCYVD DNCDPQTVAN RVAWFRYFNA GQTCVAPDYV LCSPERMQERL LPALQSTITR FYGDDPQSSP NLGRIINQKQ FQRLRALLGC GRVAIGGQSD ESDRYIAPTV LVDVQEMEPV MQEEIFGPIL PIVNVQSLDE AIEFINRREK PLALYAFSNS SQVVKRVLQ TSSGGFCGND GFMHMTLASL PFGVGASGM GRYHGKFSFD TFSHHRACLL RSPGMEKLNA LRYPPQSPRR LRMLLVAMEA QGCSC
Source	E.coli
Target Names	ALDH3B1
Protein Names	Recommended name: Aldehyde dehydrogenase family 3 member B1 EC= 1.2.1.5 Alternative name(s): Aldehyde dehydrogenase 7
Expression Region	1-465
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 protein
Target Details	The aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene spans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expressed in kidney and lung. The functional significance of this gene as well as the cellular localization of its product are presently unknown. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
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.