Recombinant Human Alcohol dehydrogenase [NADP (+)] (AKR1A1)

Product Code	CSB-EP001538HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P14550
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AASCVLLHT GQKMPLIGLG TWKSEPGQVK AAVKYALSVG YRHIDCAAIY GNEPEIGEAL KEDVGPGKAV PREELFVTSK LWNTKHHPED VEPALRKTLA DLQLEYLDLY LMHWPYAFER GDNPFPKNAD GTICYDSTHY KETWKALEAL VAKGLVQALG LSNFNSRQID DILSVASVRP AVLQVECHPY LAQNELIAHC QARGLEVTAY SPLGSSDRAW RDPDEPVLLE EPVVLALAEK YGRSPAQILL RWQVQRKVIC IPKSITPSRI LQNIKVFDFT FSPEEMKQLN ALNKNWRYIV PMLTVDGKRV PRDAGHPLYP FNDPY
Source	E.coli
Target Names	AKR1A1
Protein Names	Recommended name: Alcohol dehydrogenase [NADP(+)] EC= 1.1.1.2 Alternative name(s): Aldehyde reductase Aldo-keto reductase family 1 member A1
Expression Region	2-325
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 gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Alternative splicing of this gene results in two transcript variants encoding the same protein.
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.