



Recombinant Human Histidine ammonia-lyase (HAL)

Product Code	CSB-EP010123HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P42357
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPRYTVHVRG EWLAVPCQDA QLTVGWLGRE AVRRYIKNKP DNGGFTSVDD AHFLVRRCKG LGLLDNEDRL EVALENNEFV EVVIEGDAMS PDFIPSQPEG VYLYSKYREP EKYIELDGDR LTTEDLVNLG KGRYKIKLTP TAEKRVQKSR EVIDSIIKEK TVVYGITTGF GKFARTVIPI NKLQELQVNL VRSHSSGVGK PLSPERCML LALRINVLAK GYSGISLETL KQVIEMFNAS CLPYVPEKGT VGASGDLAPL SHLALGLVGE GKMWSPKSGW ADAKYVLEAH GLKPVILKPK EGLALINGTQ MITSLGCEAV ERASAIARQA DIVAALTLEV LKGTTKAFDT DIHALRPHRG QIEVAFRFRS LLDSDDHHPSE IAESHRFCDR VQDAYTLRCC PQVHGVVNDT IAFVKNITT ELNSATDNPM VFANRGETVS GGNFHGEYPA KALDYLAIGI HELAAISERR IERLCNPSLS ELPAFLVAEG GLNSGFMAIH CTAALVSEN KALCHPSSVD SLSTSAATED HVSMGGWAAR KALRVIEHVE QVLAIELLAA CQGIEFLRPL KTTTPELVY DLVRSVVRPW IKDRFMAPDI EAAHRLLEQ KVWEVAAPYI EKYRMEHIPE SRPLSPTAFS LQFLHKKSTK IPESEDL
Source	E.coli
Target Names	HAL
Protein Names	Recommended name: Histidine ammonia-lyase Short name= Histidase EC= 4.3.1.3
Expression Region	1-657
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	Histidine ammonia-lyase is a cytosolic enzyme catalyzing the first reaction in histidine catabolism, the nonoxidative deamination of L-histidine to trans-urocanic acid. Histidine ammonia-lyase defects cause histidinemia which is characterized by increased histidine and histamine and decreased urocanic acid in body fluids
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.