# Recombinant Human Histidine ammonia-lyase (HAL)

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| **Product Code** | CSB-EP010123HU-B |
| **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 PLSPERCRML LALRINVLAK GYSGISLETL KQVIEMFNAS CLPYVPEKGT VGASGDLAPL SHLALGLVGE GKMWSPKSGW ADAKYVLEAH GLKPVILKPK EGLALINGTQ MITSLGCEAV ERASAIARQA DIVAALTLEV LKGTTKAFDT DIHALRPHRG QIEVAFRFRS LLDSDHHPSE IAESHRFCDR VQDAYTLRCC PQVHGVVNDT IAFVKNIITT ELNSATDNPM VFANRGETVS GGNFHGEYPA KALDYLAIGI HELAAISERR IERLCNPSLS ELPAFLVAEG GLNSGFMIAH CTAAALVSEN KALCHPSSVD SLSTSAATED HVSMGGWAAR KALRVIEHVE QVLAIELLAA CQGIEFLRPL KTTTPLEKVY DLVRSVVRPW IKDRFMAPDI EAAHRLLLEQ 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 |

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| | 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.<br>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. |