



# Recombinant Human 5-aminolevulinate synthase, nonspecific, mitochondrial (ALAS1)

<b>Product Code</b>	CSB-EP001559HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P13196
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>QIKE TPPASEKDKT AKAKVQQTPD GSQQSPDGTQ LPSGHPLPAT            SQGTASKCPF LAAQMNQRGS SVFCKASLEL QEDVQEMNAV RKEVAETSAG            PSVSVKTDG GDPSELLKNF QDIMQKQRPE RVSHLLQDNL PKSVSTFQYD            RFFEKKIDEK KNDHTYRVFK TVNRRAHIFP MADDYSDSLI TKKQVSVWCS            NDYLGMSRHP RVCGAVMDTL KQHAGAGAGT RNISGTSKFH VDLERELADL            HGKDAALLFS SCFVANDSTL FTLAKMMPGC EIYSDSGNHA SMIQGIRNSR            VPKYIFRHND VSHLRELLQR SDPSVPKIVA FETVHSM DGA VCPLEELCDV            AHEFGAITFV DEVHAVGLYG ARGGGIGDRD GVMPKMDIIS GTLGKAFGCV            GGYIASTSSL IDTVRSYAAG FIFTTSLPPM LLAGALESVR ILKSAEGRVL            RRQHQRNVKL MRQMLMDAGL PVVHCP SHII PVRVADA AKN TEVCDELMSR            HNIYVQAINY PTVPRGEELL RIAPTPHHTP QMMNYFLENL LVTWKQVGLE            LKPHSSAECN FCRRPLHFEV MSEREKSYFS GLSKLVSAQA</p>
<b>Source</b>	E.coli
<b>Target Names</b>	ALAS1
<b>Protein Names</b>	Recommended name: 5-aminolevulinate synthase, nonspecific, mitochondrial Short name= ALAS-H EC= 2.3.1.37 Alternative name(s): 5-aminolevulinic acid synthase 1 Delta-ALA synthase 1 Delta-aminolevulinate synthase 1
<b>Expression Region</b>	57-640
<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>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.
<b>Shelf Life</b>	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.