



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

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| Product Code | CSB-MP001559HU |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P13196 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | QIKE TPPASEKDKT AKAKVQQTPD GSQQSPDGTQ LPSGHPLPAT SQGTASKCPF LAAQMNQRGS SVFCKASLEL QEDVQEMNAV RKEVAETSAG PSVSVKTDG GDPSELLKNF QDIMQQRPE 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 LKP HSSAECN FCRRPLHFEV MSEREKSYFS GLSKLVSAQA |
| Source | Mammalian cell |
| Target Names | ALAS1 |
| Protein Names | 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 |
| Expression Region | 57-640 |
| 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 |
| 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. |