



Recombinant Mouse 5-aminolevulinate synthase, erythroid-specific, mitochondrial (Alas2)

Product Code	CSB-MP001560MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08680
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	<p>Q IHLKATKAGG DSPSWAKSHC PFMLSELQDR KSKIVQRAAP EVQEDVKTFK TDLLSTMDST TRSHSFPSFQ EPEQTEGAVP HLIQNNMTGS QAFGYDQFFR DKIMEKKQDH TYRVFKTVNR WANAYPFAQH FSEASMASKD VSVWCSNDYL GISRHPRVLQ AIEETLKNHG AGAGGTRNIS GTSKFHVELE QELAEHLQKD SALLFSSCFV ANDSTLFTLA KLLPGCEIYS DAGNHASMIQ GIRNSGAAKF VFRHNDPGHL KKLLEKSDPK TPKIVAFETV HSMDGAICPL EELCDVAHQY GALT FVDEVH AVGLYGARGA GIGERD GIMH KLDIISGTLG KAFGCVGGYI ASTRDLVDMV RSYAAGFIFT TSLPPMVLSG ALESVRLKLG EEGQALRAH QRNVKHMRLQ LMDRGFVIP CP SHIPIRV GNAALNSKIC DLLLSKHSIY VQAINYPTVP RGEELLRLAP SPHHSPQMM E NFVEKLLLAW TEVGLPLQDV SVAACNFCHR PVHFELMSEW ERSYFGNMGP QYVTTYA</p>
Source	Mammalian cell
Target Names	Alas2
Protein Names	Recommended name: 5-aminolevulinate synthase, erythroid-specific, mitochondrial Short name= ALAS-E EC= 2.3.1.37 Alternative name(s): 5-aminolevulinic acid synthase 2 Delta-ALA synthase 2 Delta-aminolevulinate synthase 2
Expression Region	50-587
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	The product of this gene specifies an erythroid-specific mitochondrially located enzyme. The encoded protein catalyzes the first step in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. Alternatively spliced transcript variants encoding different isoforms have been identified.
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.