Recombinant Human ALAS2 Protein, His-tagged

Cat. No. ALAS2-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALAS2 Protein (Ala361-Ala587) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala361-Ala587
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.6 kDa Accurate Molecular Mass: 29 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ALAS2 aminolevulinate, delta-, synthase 2 [Homo sapiens (human)]
Official Symbol	ALAS2
Synonyms	ALAS2; aminolevulinate, delta-, synthase 2; aminolevulinate, delta, synthase 2 (sideroblastic/hypochromic anemia), ASB; 5-aminolevulinate synthase, erythroid-specific, mitochondrial; sideroblastic/hypochromic anemia; delta-ALA synthase 2; delta-ALA synthetase; 5-aminolevulinic acid synthase 2; delta-aminolevulinate synthase 2; ASB; ANH1; XLSA; ALASE; XLDPP; XLEPP; ALAS-E; FLJ93603
Gene ID	212
mRNA Refseq	NM_000032
Protein Refseq	NP_000023
MIM	301300

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UniProt ID	P22557

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