

Recombinant Full Length Human ALAS2 Protein, GST-tagged

Cat. No. ALAS2-1391HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALAS2 full-length ORF (BAG35939.1, 1 a.a. - 587 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	587 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	91 kDa
AA Sequence	MVTAAMLLQC CPVLARGPTS LLGKVVKTHQ FLFGIGRCPI LATQGPNCSSQ IHLKATKAGG DSPSWAKGHC PFMLSELQDG KSKIVQKAAP EVQEDVKAFK TDLPSSLVSV SLRKPFSGPQ EQEQISGKVT HLIQNNMPGN YVFSYDQFFR DKIMEKKQDH TYRVFKTVNR WADAYPFAQH FSEASVASKD VSVWCSNDYL GMSRHPQVLQ ATQETLQRHG AGAGGTRNIS GTSKFHVELE QELAEHQKD SALLFSSCFV ANDSTLFTLA KILPGCEIYS DAGNHASMIQ GIRNSGAAKF VFRHNDPDHL KKLLEKSNPK IPKIVAFETV HSMDGAICPL EELCDVSHQY GALTFVDEVH AVGLYGSRGA GIGERDGIMH KIDIISGTLG KAFGCVGGYI

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ASTRDLVDMV RSYAAGFIFT TSLPPMVLSG ALESVRLKKG EEGQALRRAH
 QRNVKHMRLQ LMDRGLPVIQ CPHIPIRV GNAALNSKLC DLLLSKHGIY
 VQAINYPTVP RGEELLRLAP SPHHSPQMME DFVEKLLLAW TAVGLPLQDV
 SVAACNFCRR PVHFELMSEW ERSYFGNMGP QYVTTYA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ALAS2 aminolevulinate, delta-, synthase 2 [Homo sapiens]

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

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