

Recombinant Human ALAS2 Protein, GST-tagged

Cat. No. ALAS2-430H **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	Wheat Germ
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	MVTAAMLLQCCPVLARGPTSLLGKVVKTHQFLFGIGRCPILATQGPNC SQIHLKATK AGGDSPSWAKGHCPFMLSELQDGKSKIVQKAAPEVQEDVKAFKTDLPSSLVSVSLR KPFGSPQEQEQISGKVTHLIQNNMPGNYVFSYDQFFRDKIMEKKQDHTYRVFKTVN RWADAYPFAQH FSEASVASKDVS VWCSNDYLGMSRHPQVLQATQETLQRHGAGA GGTRNISGTSKFHVELEQELAE LHQKDSALLFSSCFVANDSTLFTLAKILPGCEIYSD AGNHASMIQGIRNSGA AKFVFRHNDPDHLKKLLEKSNPKIPKIVAFETVHSMDGAICP LEELCDVSHQYGALT FVDEVHAVGLYGSRGAGIGERDGIMHKIDIISGTLGKAFGCV GGYIASTRDLVDMVRSYAAGFIFTTSLPPMVLSGALESVRLKGEEGQALRRAHQRN VKHMRQLLMDRGLPVI PCPSHIIPIRVGNAALNSKLCDLLLSKHGIYVQAINYPTVPRG

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EELLRLAPSPHHSPQMMEFVEKLLLAWTAVGLPLQDVSVAACNFCRRPVHFEMLS
EWERSYFGNMGPQYVTTYA

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

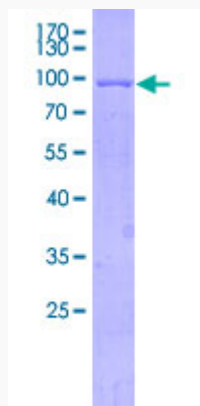
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UniProt ID

P22557



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