

## Recombinant Human ALAS2 protein, His-tagged

**Cat. No.** ALAS2-2505H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ALAS2 protein(P22557)(50-587aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 50-587aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 63.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | <p>QIHLKATKAGGDSPSWAKGHCPFMLSELQDGKSKIVQKAAPEVQEDVKAFKTDLP<br/> SLVSVSLRKPFSGPQEQQEQISGKVTHLIQNNMPGNYVFSYDQFFRDKIMEKKQDHT<br/> YRVFKTVNRWADAYPFAQHFSEASVASKDVS VWCSNDYLGMSRHPQVLQATQETL<br/> QRHGAGAGGTRNISGTSKFHVELEQELAEHLQKDSALLFSSCFVANDSTLFTLAKILP<br/> GCEIYSDAGNHASMIQGI RNSGA AKFVFRHNDPDHLKKLLEKSNPKIPKIVAFETVHS<br/> MDGAICPLEELCDVSHQYGALTFVDEVHAVGLYGSRGAGIGERD GIMHKIDIISGTLG<br/> KAFGCVGGYIASTRDLVDMVRSYAAGFIFTTSLPPMVLSGALESVRLKGEEGQALR<br/> RAHQ RNVK HMRQLLM DRGLPVIPCPSHIIPRVGNAALNSKLCDLLLSKHGIYVQAIN<br/> YPTVPRGEE LLRLAPSPHHSPQMMEDFVEKLLLA WTAVGLPLQDVSV AACNFCRRP</p> |

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VHFELMSEWERSYFGNMGPQYVTTYA

**Purity** Greater than 85% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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%.

## 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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