



Recombinant Human ALAS2 Protein Product Manual

1. Product Basic Information

Product No.: REP06102

Protein Name: Delta-Ala Synthase Delta-Ala Synthetase (ALAS2)

Aliases: ASB; ANH1; XLSA; ALASE; XLDPP; XLEPP; ALAS-SIDBA1; delta-ALA synthase delta-ALA synthetase

UniProt ID: P22557

UniProt Link: <https://www.uniprot.org/uniprotkb/P22557/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (50-587aa)

Molecular Weight: 63.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (50-587aa)

QIHLKATKAGGDSPSWAKGHCPFMLSELQDGKSKIVQKAAPEVQEDVKAFKTDLPS
SLVSVSLRKPFSGPQEQEQISGKVTHLIQNNMPGNYVFSYDQFFRDKIMEKKQDHT
YRVFKTVNRWADAYPFAQHFSEASVASKDVS VWCSNDYLGMSRHPQVLQATQET
LQRHGAGAGGTRNISGTSKFHVELEQELAEHQKDSALLFSSCFVANDSTLFTLAKI
LPGCEIYSDAGNHASMIQGIRNSGA AKFVFRHNDPDHLKKLLEKSNPKIPKIVAFETV
HSM DGAICPLEELCDVSHQYGALTFVDEVHAVGLY GSRGAGIGERD GIMHKIDIISG
TLGKAFGCVGGYIASTRDLVDMVRSYAAGFIFTTSLPPMVLSGALESVRLLKGEEGQ
ALRRAHQRNVKHM RQLLMDRGLPVIPCP SHIPIRVGNAALNSKLC DLLLSKHGIYVQ
AINYPTVPRGEELLRLAPSPHHSPQM MEDFVEKLLLA WTAVGLPLQDVSV AACNFC
RRPVHFELMSEWERSYFGNMGPQYVTTYA

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ALAS2 full length of mature protein protein (50-587aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ALAS2, also known as ASB or ANH1 or XLSA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.