



Recombinant Human ALPI Protein Product Manual

1. Product Basic Information

Product No.: REP06120

Protein Name: Kasahara Isozyme (ALPI)

Aliases: Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase; alkaline phosphatase, intestinal; intestinal-type alkaline phosphatase

UniProt ID: P09923

UniProt Link: <https://www.uniprot.org/uniprotkb/P09923/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (20-503aa)

Molecular Weight: 54.4kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (20-503aa)

VIPAEENPAFWNRQAAEALDAAKKLQPIQKVAKNLILFLGDGLGVPTVTATRILKGQ
KNGKLGPEPLAMDRFPYLALSKTYNVDRQVPDSAATATAYLCGVKANFQTIGLSA
AARFNQCNTTRGNEVISVMNRAKQAGKSVGVTTRVQHASPAGTYAHTVNRNW
YSDADMPASARQEGCQDIATQLISNMDIDVILGGGRKYMFPMPGTPDPEYPADASQN
GIRLDGKNLVQEWLAKHQGAWYVWNRTLMQASLDQSVTHLMGLFEPGDTKYEIH
RDPTLDPSLMEMTEAALRLLSRNPRGFYLFVEGGRIDHGHHEGVAYQALTEAVMFD
DAIERAGQLTSEEDTLTLVTADHSHVFSFGGYTLRGSSIFGLAPSKAQDSKAYTSILY
GNGPGYVFNSGVRPDVNESESGSPDYQQQAAVPLSSETHGGEDVAVFARGPQAH
LVHGVQEQQSFVAHVMAFAACLEPYTACDLAPPACTTD

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

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 ALPI full length of mature protein protein (20-503aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ALPI, also known as Kasahara isozyme or glycerophosphatase or alkaline phosphomonoesterase, 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.