



Recombinant Human ALDOC Protein Product Manual

1. Product Basic Information

Product No.: REP06116

Protein Name: Aldolase Fructoaldolase Brain-Type Aldolase (ALDOC)

Aliases: aldolase fructoaldolase brain-type aldolase; fructose-1,6-biphosphate triosephosphate lyase

UniProt ID: P09972

UniProt Link: <https://www.uniprot.org/uniprotkb/P09972/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-364aa)

Molecular Weight: 40.9 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-364aa)

MPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMARLSQIGVENTEENRR
LYRQVLFSADDRVKKKICIGGVIFFHETLYQKDDNGVPFVRTIQDKGIVVGIVDKGVVP
LAGTDGETTTQGLDGLSERCAQYKKDGAFAKWRCVLKISERTPSALAILENANVL
ARYASICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLL
KPNMVTPGHACPIKYTPEEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEASFNLNA
INRCPLRPWALTFSYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAAQG
KYESGEGDGGAAQSLYIANHAY

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 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 ALDOC full length protein (1-364aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ALDOC, also known as aldolase fructoaldolase brain-type aldolase or fructose-1,6-biphosphate triosephosphate lyase, 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.