



Recombinant Human ACR Protein Product Manual

1. Product Basic Information

Product No.: REP06026

Protein Name: Acrosin Light And Heavy Chain Prepropeptide (ACR)

Aliases: acrosin; proacrosin; preproacrosin; acrosin light and heavy chain prepropeptide

UniProt ID: P10323

UniProt Link: <https://www.uniprot.org/uniprotkb/P10323/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (20-343aa)

Molecular Weight: 39.3 kDa

Protein Tag: C-terminal 6xHis-Myc-tagged

2. Amino Acid Sequence (20-343aa)

KDNATCDGPCGLRFRQNPQGGVRIVGGKAAQHGAWPWMVSLQIFTYN SHRYHTC
GGSLNSRWVLTAAHCFVGKNNVHDWRLVFGAKEITYGNNKPKVKAPLQERYVEKIII
HEKYNSATEGNDIALVEITPPISCGRFIGPGCLPHFKAGLPRGSQSCWVAGWGYIEE
KAPRPSSILMEARVDLIDLDCNSTQWYNGRVQPTNVCAGYPVGKIDTCQGDSGG
PLMCKDSKESAYVVVGITSWGVGCAKARPGIYTATWPYLNWIASKIGSNALRMIQ
SATPPPTTRPPPIRPPFSPISAHLPWYFQPPPRPLPPRPAAQ

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



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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 ACR partial protein (20-343aa) expressed in Yeast. The protein is with 6xHis-Myc tag at the C-terminus, which facilitates protein purification, detection and identification. ACR, also known as acrosin or proacrosin or preproacrosin, 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.