

# Recombinant Human POLE Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07835

**Protein Name:** 3'-5' Exodeoxyribonuclease (POLE)

**Aliases:** FILS; POLE1; CRCS12; IMAGE1; 3'-5' exodeoxyribonuclease; DNA polymerase epsilon catalytic subunit protein

**UniProt ID:** Q07864

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q07864/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Yeast

**Protein Length:** Partial (1-500)

**Molecular Weight:**

**Protein Tag:** Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

## 2. Amino Acid Sequence (1-500)

MSLRSGGRRRADPGADGEASRDDGATSSVSALKRLERSQWTDKMDLRFGRERLK  
EPGEKTGWLINMHPTEILDEDKRLGSAVDYYFIQDDGSRFKVALPYKPYFYIATRKG  
CEREVSSFLSKKFQGKIAKVETVPKEDLDLPNHLVGLKRNRYIRLSFHTVEDLVKVRK  
EISPAVKKNREQDHASDAYTALLSSVLQRGGVITDEEETSKKIADQLDNIVDMREYD  
VPYHIRLSIDLKIHVAHWYNVRYRGNAPFVEITRRDDLVERPDPVVLAFDIETTKLPLK  
FPDAETDQIMMISYIMIDGQGYLITNREIVSEDIEDFEFTPKPEYEGPFCVFNPEDEAH  
LIQRWFEHVQETKPTIMVTYNGDFFDWPVFEARAAVHGLSMQQEIGFQKDSQGEY  
KAPQCIHMDCLRWWKRDSYLPVGSNHLKAAAKAKLGYDPVELDPEDMCRMATEQP  
QTLATYSVSDAVATYYLYMKYVHPFIFALCTIIPMEPDEVLRKGSGL

## 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).



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**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 POLE partial protein (1-500) expressed in Yeast. POLE, also known as FILS or POLE1 or CRCS12, 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.