



Recombinant Human C8A Protein Product Manual

1. Product Basic Information

Product No.: REP06304

Protein Name: Complement C8 Alpha Chain (C8A)

Aliases: complement C8 alpha chain; complement component C8 alpha chain; complement component 8 alpha subunit; complement component 8 subunit alpha; complement component 8, alpha polypeptide

UniProt ID: P07357

UniProt Link: <https://www.uniprot.org/uniprotkb/P07357/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (31-584aa)

Molecular Weight: 65.8 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (31-584aa)

AATPAAVTCQLSNWSEWTDCFPCQDKKYRHRSLQPNKFGGTICSGDIWDQASCS
SSTTCVRQAQCGQDFQCKETGRCLKRHLVCNGDQDCLDGSDEDDCEDVRAIDED
CSQYEPIPGSQKAALGYNILTQEDAQSVYDASYGGQCETVYNGEWRELRYDSTC
ERLYYGDDEKYFRKPYNFLKYHFEALADTGISSEFYDNANDLLSKVKKDKSDSFGVT
IGIGPAGSPLLVGVGVSHSQDTSFLNELNKYNEKKFIFTRIFTKVQTAHFKMRKDDIM
LDEGMLQSLMELPDQYNYGMYAKFINDYGTHYITSGSMGGIYEYILVIDKAKMESLGI
TSRDITTCFGGSLGIQYEDKINVGGGLSGDHCKKFGGGKTERARKAMAVEDIISRVR
GGSSGWSGGLAQNRSTITYRSWGRSLKYNPVVIDFEMQPIHEVLRHTSLGPLEAKR
QNLRRALDQYLMEFNACRCGPCFNNGVPILEGTSRCRCQRLGSLGAACEQTQTEG
AKADGSWSCWSSWSVCRAIGIQRERRRECDNPAPQNGGASCPGRKVQTQAC

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).

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 C8A full length of mature protein protein (31-584aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. C8A, also known as complement C8 alpha chain or complement component C8 alpha chain or complement component 8 alpha subunit, 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.