



Recombinant Human C1S Protein Product Manual

1. Product Basic Information

Product No.: REP06299

Protein Name: C1 Esterase (C1S)

Aliases: C1 esterase; complement C1s; complement C1s subcomponent

UniProt ID: P09871

UniProt Link: <https://www.uniprot.org/uniprotkb/P09871/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (16-688aa)

Molecular Weight: 80.9 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (16-688aa)

EPTMYGEILSPNYPQAYPSEVEKSWDIEVPEGYGIHLYFTHLDIELSENCA YDSVQII
SGDTEEGRLCGQRSSNNPHSPIVEEFQVPYNKLQVIFKSDFSNEERFTGFAAYYVA
TDINECTDFVDVPCSHFCNNFIGGYFCSCPPEYFLHDDMKNCGVNCSGDVFTALIG
EIASPNYPKPYPENSRC EYQIRLEKGFQVVVTLRREDFDVEAADSAGNCLDSL VFVA
GDRQFGPYCGHGFPGLNIETKSNALDIIFQTDLTGQKKGWKLRYHGDPMPCPKE
DTPNSVWEPAKAKYVFRDVVQITCLDGFVVEGRVGATSFYSTCQSNGKWSNSKL
KCQPVDCGIPESIENGKVEDPESTLFGSVIRYTCEEPYYMENG GGGGEYHCAGNG
SWVNEVLGPELPKCVPCGVPREPFE EKQRIIGGSDADIKNFPWQVFFDNPWAGG
ALINEYWVLTA AHVVEGNREPTMYVGSTSVQTSRLAKSKMLTPEHVFIHPGWK LLE
VPEGRTNFDNDIALVRLKDPVKMGPTVSPICLPGTSSDYNLMDGDLGLISGWGRTE
KRDR AURLKAARLPVAPLRKCKE VKVEKPTADAEAYVFTPNMICAGGEKGMDSCK
GD SGGAFAVQDPNDKTKFYAAGLVSWGPQCGTYGLYTRVKNYVDWIMKTMQENS
TPRED

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)

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 C1S full length of mature protein protein (16-688aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. C1S, also known as C1 esterase or complement C1s or complement C1s subcomponent, 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.