



Recombinant Chinese hamster CALR Protein Product Manual

1. Product Basic Information

Product No.: REP06319

Protein Name: Endoplasmic Reticulum Resident Protein 60 (CALR)

Aliases: RO; CRT; SSA; CALR1; CRP55; ERp60; HACBP; cC1qR; grp60; HEL-S-99n; calregulin; calreticulin; endoplasmic reticulum resident protein 60; epididymis secretory sperm binding protein Li 99n; Sicca syndrom...

UniProt ID: P27797

UniProt Link: <https://www.uniprot.org/uniprotkb/P27797/entry>

Species Source: Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (18-417aa)

Molecular Weight: 48.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (18-417aa)

EPAVYFKEQFLDGDDWTNRWVESKHKSDFGKFVLSSGKFYGDQEKDGLQTSQD
ARFYALSARFEPFSNKGQTLVVQFTVKHEQNIDCGGGYVKLFPGSLDQKDMHGDS
EYNIMFGPDICGPGTKKVHVIFNYKGKNVLINKDIRCKDDEFTHLYTLIVRPDNTYEV
KIDNSQVESGSLEDDWDFLPPKKIKDPDAAKPEDWDERAKIDDPTDSKPEDWDKPE
HIPDPDAKKPEDWDEEMDGEWEPPVIQNPEYKGEWKPRQIDNPDYKGTWIIHPEID
NPEYSPDANIYAYDSFAVLGLDLWQVKSGTIFDNFLITNDEAYAEFNGNETWGVTKA
SEKQMKDKQDEEQRLKEEEEDKKRKEEEEAEDKEDEDDRDEDEEDEDKEEED
DTTPGQTKDEL

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

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 Chinese hamster CALR full length of mature protein protein (18-417aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CALR, also known as RO or CRT or SSA, 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.