



Recombinant strain RS-16 cpg2 Protein Product Manual

1. Product Basic Information

Product No.: REP06533

Protein Name: Spectrin Repeat Containing Nuclear Envelope Protein 1 (cpg2)

Aliases: spectrin repeat containing nuclear envelope protein 1

UniProt ID: P06621

UniProt Link: <https://www.uniprot.org/uniprotkb/P06621/entry>

Species Source: Pseudomonas sp. (strain RS-16)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (23-415aa)

Molecular Weight: 68.7kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (23-415aa)

ALAQKRDNVLFQAATDEQPAVIKTLEKLVNIETGTGDAEGIAAAGNFLEAELKNLGFT
VTRSKSAGLVVGDNIVGKIKGRGGKNLLLMSHMDTVYLGILAKAPFRVEGDKAYG
PGIADDKGGNAVILHTLKLLKEYGVRDYGTITVLFNTDEEKGSFGSRDLIQEEAKLAD
YVLSFEPTSAGDEKLSLGTSGIAYVQVNITGKASHAGAAPELGVNALVEASDLVLRT
MNIDDKAKNLRFNWTIAKAGNVSNIIIPASATLNADVRYARNEDFDAAMKTLEERAQQ
KKLPEADVKKVIVTRGRPAFNAGEGGKKLVDAVAYYKEAGGTLGVEERTGGGTDA
AYAALSGKPVIESLGLPGFGYHSDKA EYVDISAIPRRLYMAARLIMDLGAGK

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 strain RS-16 cpg2 full length of mature protein protein (23-415aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. cpg2, also known as spectrin repeat containing nuclear envelope protein 1, 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.