



Recombinant Human GUCY2D Protein Product Manual

1. Product Basic Information

Product No.: REP07060

Protein Name: Central Areolar Choroidal Dystrophy (GUCY2D)

Aliases: LCA; CACD; CG-CYGD; LCA1; RCD2; CACD1; CORD5; CORD6; GUC2D; ROSGC; retGC; CSNB1I; GUC1A4; ROS-GC; RETGC-ROS-GC1; central areolar choroidal dystrophy; rod outer segment membrane guanylate cyclase; guan...

UniProt ID: Q02846

UniProt Link: <https://www.uniprot.org/uniprotkb/Q02846/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (52-462)

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 (52-462)

AVFTVGVLGPWACDPIFSRARPDLAARLAAARLNDRDPGLAGGPRFEVALLPEPCRT
PGSLGAVSSALARVSGLVGPVNPAACRPAELLAEAGIALVPWGCPWTQAEGTTA
PAVTPAADALYALLRAFGWARVALVTAPQDLWVEAGRSLSTALRARGLPVASVTSM
EPLDLSGAREALRKVRDGRVTAIVIMVMHVSLLGGEEQRYLLEAAEELGLTDGSLV
FLPFDTHIYALSPGPEALAAANSSQLRRAHDAVLTLTRHCPSEGSVLDSLRRRAQER
RELPSDLNLQQVSPLFGTIYDAVFLLARGVAEAAAAAGGRWVSGAAVARHIRDAQV
PGFCGDLGGDEEPPFVLLDTDAAGDRLFATYMLDPARGSFSLAGTRMHFPRGGSA
PGPDPSCWFDPNNICGGGLE

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 GUCY2D partial protein (52-462) expressed in Yeast. GUCY2D, also known as LCA or CACD or CG-CYGD, 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.