



Recombinant Human CA5A Protein Product Manual

1. Product Basic Information

Product No.: REP06310

Protein Name: Gs1-21A4.Carbonic Dehydratase (CA5A)

Aliases: CA5; CAV; CAVA; CA-VA; CA5AD; GS1-21A4.carbonic dehydratase; carbonic anhydrase 5A; carbonate dehydratase VA; carbonic anhydrase V, mitochondrial; carbonic anhydrase 5A, mitochondrial; carbonic anhydr...

UniProt ID: P35218

UniProt Link: <https://www.uniprot.org/uniprotkb/P35218/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (39-305aa)

Molecular Weight: 30.6 kDa

Protein Tag: Tag-Free

2. Amino Acid Sequence (39-305aa)

CAWQTSNNTLHPLWTPVSVPGGTRQSPINIQWRDSVYDPQLKPLRVSYEAASCL
YIWNTGYLFQVEFDDATEASGISGGPLENHRYLKQFHFHWGAVNEGGSEHTVDGH
AYPAELHLVHWNSVKYQNYKEAVVGENGLAVIGVFLKLGAHHQTLQRLVDILPEIKH
KDARAAMRPFDPSTLLPTCWDYWTYAGSLTTPPLTESVTWIIQKEPVEVAPSQLSA
FRTLLFSALGEEEEKMMVNRYRPLQPLMNRKVVASFQATNEGTRS

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

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 CA5A full length of mature protein protein (39-305aa) expressed in Mammalian cell. The protein is tag-free. CA5A, also known as CA5 or CAV or CAVA, 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.