



Recombinant Human CDC42 Protein Product Manual

1. Product Basic Information

Product No.: REP06407

Protein Name: Cell Division Cycle 42 (CDC42)

Aliases: TKS; G25K; CDC42Hs; cell division cycle 42; G25K GTP-binding protein; growth-regulating protein; GTP binding protein, 25kDa; small GTP binding protein CDC42; cell division control protein 42 homolog

UniProt ID: P60953

UniProt Link: <https://www.uniprot.org/uniprotkb/P60953/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (1-188aa)

Molecular Weight: 23.7 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (1-188aa)

MQTIKCVVVG DGAVGKTCLLISYTTNKF PSEYVPTVFDNYAVTVMIGGEPYTLGLFD
TAGQEDYDRLRPLSYPTDVFLVCFSVSPSSFENVKEKWVPEITHHCPKTPFLLV
GTQIDLRDDPSTIEKLAKNKQKPITPETA EKLARDLKAVKYVECSALTQKGLKNVFDE
AILAALEPPEPKSRRC

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 CDC42 full length of mature protein protein (1-188aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CDC42, also known as TKS or G25K or CDC42Hs, 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.