

Recombinant Human CIKS Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50184

Size: 10ug, 100ug

Protein Name: E3 ubiquitin ligase TRAF3IP2 (EC 2.3.2.27) (Adapter protein CIKS) (Connection to IKK and SAPK/JNK) (E3 ubiquitin-protein ligase CIKS) (Nuclear factor NF-kappa-B activator 1) (ACT1) (TRAF3-interacting protein 2)

Synonym: TRAF3IP2, C6orf2, C6orf4, C6orf5, C6orf6

UniProt ID: O43734

UniProt Link: www.uniprot.org/uniprotkb/O43734/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 574 AA

Molecular Weight: 65 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MPPQLQETRMNRSIPVEVDESEYPYSQLLKPIPEYSPEEESEPPAPNIRNMAPNSLSAPTMLHNSSG
DFSQAHSTLKLANKHQRVPVSRQVTCLRTQVLEDSDFCRRHPGLGKAFPSGCSAVSEPASESVVG
ALPAEHQFSFMEKRNQWLVSQLSAASPDTHGSDKSDQSLPNASADSLGGSQEMVQRPQPHRNR
AGLDLPTIDTGYDSQPQDVLGIRQLERPLPLTSVCYPQDLPRPLRSREFPQFEPQRYPACAQMLPPN
LSPHAPWNYHYHCPGSPDHQVPYGHDPYPRAAAYQQVIQPALPGQPLPGASVRGLHPVQKVILNYP
PWDHEERPAQRDCSFGLPRHQDQPHHQPPNRAGAPGESLECPAELRPQVPQPPSPAAPVPRPPS
NPPARGTLKTSNLPEELRKVFITYSMDTAMEVVKFVNFLVNGFQTAIDIFEDRIRGIDIKWMERYLRD
KTMIIIVASPKYKQDVEGAESQLDEDEHGLHTKYIHRMMQIEFIKQGS MNFRFIPVLFPNAKKEHVPT
WLQNTHVYSWPKNKKNILLRLLREEEYVAPPRGRLPTLQVVPL

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant E3 ubiquitin ligase TRAF3IP2 (EC 2.3.2.27) (Adapter protein CIKS) (Connection to IKK and SAPK/JNK) (E3 ubiquitin-protein ligase CIKS) (Nuclear factor NF-kappa-B activator 1) (ACT1) (TRAF3-interacting protein 2) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: E3 ubiquitin ligase that catalyzes 'Lys-63'-linked polyubiquitination of target protein, enhancing protein-protein interaction and cell signaling (PubMed:19825828). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (PubMed:19825828). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828, PubMed:24120361). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys-63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:19825828).

Subcellular Localization: N/A

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.