Recombinant CIKS protein (His tag)

Catalog Number	541791
Synonyms	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
Species	Human
Expression System	E. coli
Accession	O43734
Molecular Weight	Predictes a molecular mass of 21.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	405-574
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 405-574 aa (O43734) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human TRAF3IP2 Fragment (405-574): A high-purity protein fragment encompassing the SEFIR domain, essential for studying IL17A-mediated signaling, E3 ubiquitin ligase activity, and interactions with TRAF6 in inflammatory and immune pathways. TRAF3IP2, also known as ACT1 or CIKS, is an E3 ubiquitin ligase that catalyzes 'Lys-63'-linked polyubiquitination of target proteins, such as TRAF6, using the E2 enzyme UBE2V1-UBE2N. This activity enhances protein-protein interactions and is critical for IL17A-mediated signaling, where TRAF3IP2 acts as an essential adapter by interacting with IL17RA and IL17RC receptors via its SEFIR domain. This leads to activation of NF-kappa-B and MAP kinase pathways, underscoring its significance in inflammatory responses and immune regulation. The provided fragment (405-574) includes the SEFIR domain, enabling focused research on domain-specific functions in ubiquitination and signal transduction.