Recombinant IKIP protein (His tag)

Catalog Number	540573
Synonyms	I kappa-B kinase-interacting protein; IKBKB-interacting protein; IKK-interacting protein
Species	Human
Expression System	E. coli
Accession	Q70UQ0
Molecular Weight	Predictes a molecular mass of 34.29 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	66-350
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 66-350 aa (Q70UQ0) 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 IKBIP protein fragment (amino acids 66-350) is a high-purity, stable, and soluble preparation ideal for structural and biochemical studies. This fragment represents a key region of the Inhibitor of nuclear factor kappa-B kinase-interacting protein, a pro-apoptotic target of p53/TP53, and is optimized for research applications requiring reliable protein performance. The full-length IKBIP protein, encoded by the IKBIP gene in Homo sapiens, functions as a pro-apoptotic target of p53/TP53, playing a critical role in programmed cell death pathways. It is localized to the endoplasmic reticulum membrane as a single-pass membrane protein, with its hydrophobic transmembrane region (amino acids 45-63) essential for this subcellular positioning. The provided fragment (66-350) excludes this region to enhance solubility while retaining relevance for investigating IKBIP's apoptotic mechanisms in scientific research.