Recombinant M3KCL protein (His tag)

Catalog Number	548673
Synonyms	TAK1-like protein
Species	Human
Expression System	E. coli
Accession	P57077
Molecular Weight	Predictes a molecular mass of 14.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	35-142
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 35-142 aa (P57077) 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 MAP3K7 C-terminal-like protein (TAK1-like protein) fragment (residues 35-142) is a highly stable and soluble 108-amino acid construct, ideal for structural biology and biochemical studies. This fragment was computationally optimized to facilitate research on protein interactions and signaling mechanisms. The full-length MAP3K7 C-terminal-like protein, encoded by the gene MAP3K7CL, is a human protein with UniProt ID P57077. While specific functional and subcellular localization data are not provided, proteins in this family are often involved in cellular signaling pathways, such as stress response and inflammation regulation. This recombinant fragment offers a focused tool for investigating the protein's biochemical properties and potential roles in these pathways.