Recombinant FANK1 protein (His tag)

Catalog Number	545519
Species	Human
Expression System	E. coli
Accession	Q8TC84
Molecular Weight	Predictes a molecular mass of 40.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	1-345
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-345 aa (Q8TC84) 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 FANK1 (Fibronectin type 3 and ankyrin repeat domains protein 1) Fragment (aa 1-345) – a high-purity protein designed for investigating the functional role of the Fibronectin type-III domain in apoptosis regulation and cellular signaling pathways. Fibronectin type 3 and ankyrin repeat domains protein 1 (FANK1), encoded by the FANK1 gene in Homo sapiens, plays a role in apoptosis regulation through activation of JUN and AP-1-mediated transcription. The protein localizes to the nucleus and cytoplasm, including the cytosol, and is associated with the cilium basal body and cilium in cellular projections, indicating involvement in structural and signaling complexes. This recombinant fragment spans residues 1-345, encompassing the full Fibronectin type-III domain, enabling focused studies on domain-specific mechanisms in programmed cell death and transcriptional activation.