Recombinant SLK protein (His tag)

Catalog Number	545922
Synonyms	STE20-like kinase; hSLK; CTCL tumor antigen se20-9; STE20-related serine/threonine-protein kinase; STE20-related kinase; Serine/threonine-protein kinase 2
Species	Human
Expression System	E. coli
Accession	Q9H2G2
Molecular Weight	Predictes a molecular mass of 52.48 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 60 kDa band.

Product Information

Sequence Region	793-1205
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 793-1205 aa (Q9H2G2) 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 STE20-like serine/threonine-protein kinase (SLK) fragment (residues 793-1205) is a high-purity protein designed for studying apoptosis regulation and cytoskeletal dynamics. This 413-amino acid fragment contains the critical UVR domain, offering researchers a targeted tool for domain-specific functional investigations. The full-length STE20-like serine/threonine-protein kinase (SLK) mediates apoptosis and promotes dissolution of actin stress fibers, playing crucial roles in programmed cell death and cytoskeletal organization. Located in the cytoplasm, this kinase is involved in key cellular signaling pathways that regulate cell survival and structural integrity. The protein fragment (793-1205) specifically encompasses the UVR functional domain, enabling focused research on domain-specific mechanisms in cellular processes.