Recombinant SBK2 protein (His tag)

Catalog Number	550856
Synonyms	SH3 domain-binding kinase family member 2; Sugen kinase 69; SgK069
Species	Human
Expression System	E. coli
Accession	P0C263
Molecular Weight	Predictes a molecular mass of 39.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	1-348
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 1-348 aa (P0C263) 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 Serine/threonine-protein kinase SBK2 (EC 2.7.11.1), also known as SH3 domain-binding kinase family member 2 or SgK069, is a high-purity protein fragment (residues 1-348) that includes the complete protein kinase domain. This product is an essential tool for investigating kinase activity, signal transduction pathways, and domain-specific functions in cellular research. Serine/threonine-protein kinase SBK2 (UniProt ID: P0C263) is a human kinase belonging to the SH3 domain-binding kinase family. While detailed functional and subcellular localization data are not fully characterized, kinases in this family typically participate in critical cellular signaling processes, including phosphorylation events that regulate various biological pathways. The recombinant fragment spanning residues 1-348 contains the entire protein kinase domain, enabling focused studies on its catalytic mechanisms and interactions without interference from other regulatory regions.