Recombinant ANKK1 protein (His tag)

Catalog Number	547788
Synonyms	Protein kinase PKK2; Sugen kinase 288; SgK288; X-kinase
Species	Human
Expression System	E. coli
Accession	Q8NFD2
Molecular Weight	Predictes a molecular mass of 35.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	1-293
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-293 aa (Q8NFD2) 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 ANKK1 Protein Kinase Domain (1-293) is a high-purity fragment encompassing the complete protein kinase domain of human Ankyrin repeat and protein kinase domain-containing protein 1 (EC 2.7.11.1). This product is ideal for kinase activity assays, enzymatic studies, and functional investigations of ANKK1's catalytic domain. Ankyrin repeat and protein kinase domain-containing protein 1 (ANKK1) is a human protein kinase (EC 2.7.11.1) also known as Protein kinase PKK2, Sugen kinase 288, SgK288, or X-kinase. While specific functional details and subcellular localization are not fully characterized, ANKK1 belongs to the protein kinase superfamily and is recognized for its potential roles in cellular signaling pathways. The protein contains both ankyrin repeats and a kinase domain, suggesting involvement in protein-protein interactions and phosphorylation-mediated signaling events.