Recombinant ST32A protein (His tag)

Catalog Number	545550
Synonyms	Yet another novel kinase 1
Species	Human
Expression System	E. coli
Accession	Q8WU08
Molecular Weight	Predictes a molecular mass of 47.90 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 50 kDa band.

Product Information

Sequence Region	2-396
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 2-396 aa (Q8WU08) 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 32A (STK32A) fragment (residues 2-396) is a high-purity protein encompassing the complete protein kinase domain. This fragment serves as an essential tool for investigating kinase activity, substrate interactions, and signaling mechanisms in cellular research. Serine/threonine-protein kinase 32A (STK32A), also known as Yet another novel kinase 1, is a human enzyme classified under EC 2.7.11.1. According to UniProt entry Q8WU08, the full-length protein is localized to the cell membrane through lipid anchoring, as supported by experimental evidence (ECO:0000269|PubMed:25043870). This membrane association suggests potential roles in signal transduction pathways at the cellular boundary. The recombinant fragment (2-396) specifically includes the protein kinase domain (residues 23-281), enabling focused studies on catalytic function and domain-specific interactions without interference from regulatory regions.