Recombinant DIK2B protein (His tag)

Catalog Number	550501
Synonyms	Deleted in autism-related protein 1
Species	Human
Expression System	E. coli
Accession	Q9H7Y0
Molecular Weight	Predictes a molecular mass of 44.87 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.

Product Information

Sequence Region	51-433
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 51-433 aa (Q9H7Y0) 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 Divergent protein kinase domain 2B (DIPK2B) fragment (residues 51-433) is a high-purity, stable protein designed for structural and biochemical studies. This 383-amino acid fragment was computationally optimized for solubility and stability, making it an ideal tool for investigating the role of DIPK2B in cellular processes. Divergent protein kinase domain 2B (DIPK2B), also known as Deleted in autism-related protein 1, is a human protein with a secreted subcellular localization. While specific functional details are not fully characterized, its association with autism-related pathways highlights its potential significance in neurological development and disorders. The secreted nature suggests possible roles in extracellular signaling or cell-cell communication, making it a compelling target for research into neurodevelopmental mechanisms.