Recombinant DOK3 protein (His tag)

Catalog Number	542986
Synonyms	Downstream of tyrosine kinase 3
Species	Human
Expression System	E. coli
Accession	Q7L591
Molecular Weight	Predictes a molecular mass of 29.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	61-313
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 61-313 aa (Q7L591) 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 Docking Protein 3 (DOK3) Fragment (aa 61-313) is a high-purity protein designed for studying the PH domain's role in cellular signaling. This fragment serves as an essential tool for investigating negative regulation of JNK signaling and adaptor functions in B-cells, providing researchers with a targeted reagent for domain-specific mechanistic studies. Docking Protein 3 (DOK3) functions as an enzymatically inert adaptor protein that provides a docking platform for assembling multimolecular signaling complexes. As a negative regulator of JNK signaling in B-cells through its interaction with INPP5D/SHIP1, DOK3 plays a crucial role in modulating cellular signaling pathways. The protein is primarily localized to the cytoplasm and cell membrane, where it acts as a peripheral membrane protein on the cytoplasmic side. This strategic localization enables DOK3 to effectively participate in membrane-proximal signaling events and regulatory functions.