Recombinant SPRY3 protein (His tag)

Catalog Number	551419
Species	Human
Expression System	E. coli
Accession	Q8NCJ5
Molecular Weight	Predictes a molecular mass of 39.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	1-336
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-336 aa (Q8NCJ5) 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	Introducing our high-purity recombinant human SPRY domain-containing protein 3 (SPRYD3) fragment (aa 1-336), specifically engineered to encompass the complete B30.2/SPRY functional domain (aa 17-204). This 336-amino acid fragment provides researchers with an ideal molecular tool for investigating the structure, interactions, and specific biological functions of the conserved SPRY domain in cellular signaling and protein-protein interaction studies. SPRY domain-containing protein 3 (SPRYD3) is encoded by the SPRYD3 gene in Homo sapiens. While specific functional data and subcellular localization information for the full-length protein are currently being elucidated in ongoing research, proteins containing SPRY domains are generally recognized for their roles in mediating protein-protein interactions, particularly in immune signaling pathways, intracellular trafficking, and various regulatory processes. The SPRY domain itself is a conserved structural module found in numerous proteins across species, suggesting its importance in fundamental cellular functions. This recombinant fragment allows focused investigation into the properties of this specific domain within the SPRYD3 protein context.