Recombinant SCND3 protein (His tag)

Catalog Number	549794
Synonyms	Transposon-derived Buster4 transposase-like protein; Zinc finger BED domain-containing protein 9
Species	Human
Expression System	E. coli
Accession	Q6R2W3
Molecular Weight	Predictes a molecular mass of 40.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

Product Information

Sequence Region	221-559
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 221-559 aa (Q6R2W3) 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 SCAN domain-containing protein 3 (SCAND3) fragment (residues 221-559) from Homo sapiens, encompassing the Integrase catalytic domain. This high-purity fragment is engineered for functional studies of domain-specific mechanisms, offering researchers a precise tool to investigate catalytic activity and molecular interactions. The full-length SCAN domain-containing protein 3, also known as Transposon-derived Buster4 transposase-like protein or Zinc finger BED domain-containing protein 9, is localized to the nucleus, as indicated by its subcellular location. This nuclear presence suggests potential roles in DNA binding, transposition, or transcriptional regulation, though specific functional details are not provided. The recombinant fragment focuses on the Integrase catalytic domain (residues 366-526), enabling targeted exploration of enzymatic functions and contributions to genetic and cellular processes.