Recombinant PHAR3 protein (His tag)

Catalog Number	543391
Synonyms	Scaffold-associated PP1-inhibiting protein; Scapinin
Species	Human
Expression System	E. coli
Accession	Q96KR7
Molecular Weight	Predictes a molecular mass of 23.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	382-559
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 382-559 aa (Q96KR7) 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 Phosphatase and actin regulator 3 (PHACTR3), also known as Scaffold-associated PP1-inhibiting protein (Scapinin), fragment 382-559. This 178-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal tool for structural biology and biochemical studies. Phosphatase and actin regulator 3 (PHACTR3) is a scaffold protein that localizes to the nuclear matrix-intermediate filament scaffold, with isoform 2 also present in cytoplasmic extensions. As a scaffold-associated PP1-inhibiting protein, Scapinin plays a regulatory role in protein phosphatase 1 activity and is involved in nuclear structural organization. The selected fragment (382-559) represents a stable, soluble region suitable for investigating the protein's structural properties and interaction mechanisms.