Recombinant PKHB2 protein (His tag)

Catalog Number	540963
Synonyms	PH domain-containing family B member 2; Evectin-2
Species	Human
Expression System	E. coli
Accession	Q96CS7
Molecular Weight	Predictes a molecular mass of 14.59 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	1-110
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-110 aa (Q96CS7) 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 PLEKHB2 (Evectin-2) PH Domain Fragment (aa 1-110): A high-purity protein fragment encompassing the full Pleckstrin Homology (PH) domain, ideal for investigating retrograde endosomal transport mechanisms and domain-specific interactions in cellular trafficking studies. PLEKHB2 (Evectin-2) is a human protein involved in retrograde transport of recycling endosomes, facilitating intracellular cargo sorting and membrane dynamics. It localizes to recycling endosome membranes as a peripheral membrane protein and is specifically detected in tubulovesicular structures, where it colocalizes with transferrin receptor (TFNR). This positions PLEKHB2 as a key regulator of endosomal trafficking pathways, with implications for cellular signaling and organelle homeostasis.