Recombinant PACE1 protein (His tag)

Catalog Number	543107
Synonyms	Ezrin-binding protein PACE-1; SCY1-like protein 3
Species	Human
Expression System	E. coli
Accession	Q8IZE3
Molecular Weight	Predictes a molecular mass of 49.08 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	2-427
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 2-427 aa (Q8IZE3) 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 SCYL3 (PACE-1) Fragment (2-427) is a high-purity protein encompassing the complete protein kinase domain. This fragment serves as an essential tool for investigating the role of SCYL3 in regulating cell adhesion and migration processes, offering researchers a focused reagent for domain-specific functional studies. The full-length SCYL3 protein, also known as Ezrin-binding protein PACE-1, plays a significant role in regulating cell adhesion and migration complexes within migrating cells. It localizes to multiple subcellular compartments including the cytoplasm, Golgi apparatus, and specifically accumulates in lamellipodia—dynamic cell projections critical for cell movement. Notably, SCYL3 colocalizes with key proteins EZR/VIL2, actin, and CD44 in lamellipodia, suggesting its involvement in coordinating structural and signaling components during cellular migration. This strategic positioning and interaction profile highlight SCYL3's importance in cellular motility and adhesion mechanisms.