Recombinant PSD3 protein (His tag)

Catalog Number	541402
Synonyms	Epididymis tissue protein Li 20mP; Exchange factor for ADP-ribosylation factor guanine nucleotide factor 6 D; Exchange factor for ARF6 D; Hepatocellular carcinoma-associated antigen 67; Pleckstrin homology and SEC7 domain-containing protein 3
Species	Human
Expression System	E. coli
Accession	Q9NYI0
Molecular Weight	Predictes a molecular mass of 26.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	782-995
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 782-995 aa (Q9NYI0) 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 PSD3 PH Domain Fragment (aa 782-995) – a high-purity protein fragment ideal for investigating the specific functions of the Pleckstrin Homology (PH) domain in ARF6 guanine nucleotide exchange activity and membrane-associated signaling processes. The full-length PH and SEC7 domain-containing protein 3 (PSD3) functions as a guanine nucleotide exchange factor (GEF) for ARF6, playing a key role in regulating ARF6-mediated cellular processes. It localizes to the cell membrane, particularly in membrane ruffling regions, and is also found in cell projection ruffle membranes and postsynaptic densities, indicating its involvement in dynamic membrane remodeling and neuronal signaling. This recombinant fragment, encompassing the PH domain (aa 785-898), enables focused studies on domain-specific interactions and mechanisms.