Recombinant PXDC2 protein (His tag)

Catalog Number	545239
Synonyms	Tumor endothelial marker 7-related protein
Species	Human
Expression System	E. coli
Accession	Q6UX71
Molecular Weight	Predictes a molecular mass of 32.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	109-380
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 109-380 aa (Q6UX71) 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 Plexin domain-containing protein 2 (PLXDC2) Fragment (aa 109-380) is a high-purity protein designed for studying tumor angiogenesis. This fragment encompasses the PSI domain, making it an ideal tool for investigating domain-specific functions in cancer research. The full-length Plexin domain-containing protein 2 (Tumor endothelial marker 7-related protein), encoded by the PLXDC2 gene, plays a significant role in tumor angiogenesis. According to functional annotations, it contributes to blood vessel formation in tumors, supporting cancer progression. As a single-pass type I membrane protein, it is localized to the cell membrane, where it likely mediates extracellular interactions critical for its angiogenic functions.