Recombinant PCMD2 protein (His tag)

Catalog Number	546076
Species	Human
Expression System	E. coli
Accession	Q9NV79
Molecular Weight	Predictes a molecular mass of 31.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	2-266
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 2-266 aa (Q9NV79) 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 PCMTD2 Protein Fragment (residues 2-266) is a high-purity, soluble protein designed for structural and biochemical research. This fragment of Protein-L-isoaspartate O-methyltransferase domain-containing protein 2 is computationally optimized for stability, enabling reliable analysis of its potential role in E3 ubiquitin ligase complexes and cofactor interactions. The full-length Protein-L-isoaspartate O-methyltransferase domain-containing protein 2 (PCMTD2) is encoded by the PCMTD2 gene in humans and is primarily localized in the cytoplasm. It may function as a substrate recognition component within an ECS (Elongin BC-CUL5-SOCS-box protein) E3 ubiquitin ligase complex, facilitating the ubiquitination and proteasomal degradation of specific target proteins. Although it contains an N-terminal AdoMet binding motif and may interact with the methyltransferase cofactor S-adenosylmethionine, it is not believed to exhibit methyltransferase activity, highlighting its specialized role in protein degradation pathways.