Recombinant PRXD1 protein (His tag)

Catalog Number	551471
Synonyms	PrdX deacylase domain-containing protein 1; Prolyl-tRNA synthetase associated domain-containing protein 1 pseudogene
Species	Human
Expression System	E. coli
Accession	A6NEY8
Molecular Weight	Predictes a molecular mass of 20.31 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	1-169
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-169 aa (A6NEY8) 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 Putative Prolyl-tRNA Synthetase Associated Domain-containing Protein 1 (PRORSD1P) fragment (residues 1-169). This high-quality, soluble protein fragment is designed for structural biology and functional studies, offering a stable and well-folded unit ideal for investigating the protein's core domain architecture. The full-length protein, encoded by the PRORSD1P gene, is annotated as a putative prolyl-tRNA synthetase associated domain-containing protein 1. While detailed functional and subcellular localization data for the native protein are not fully characterized, proteins containing similar domains are often involved in tRNA aminoacylation and related translational processes. This recombinant fragment (residues 1-169) encompasses the core structural domain and was selected based on computational predictions to ensure optimal solubility and stability for experimental applications.