Recombinant PPIL6 protein (His tag)

Catalog Number	549013
Synonyms	PPIase; Cyclophilin-like protein PPIL6; Rotamase PPIL6
Species	Human
Expression System	E. coli
Accession	Q8IXY8
Molecular Weight	Predictes a molecular mass of 36.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	1-311
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 1-311 aa (Q8IXY8) 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 PPIL6 Protein (Full-length PPIase Cyclophilin-type Domain) - A high-quality recombinant protein encompassing the complete PPIase cyclophilin-type domain (amino acids 1-311) of Probable inactive peptidyl-prolyl cis-trans isomerase-like 6. This fragment serves as an essential research tool for investigating the structural and functional properties of this unique cyclophilin-like protein. The full-length Probable inactive peptidyl-prolyl cis-trans isomerase-like 6 (PPIL6) is a cyclophilin-like protein that represents a distinctive member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. Unlike typical PPIases that catalyze the cis-trans isomerization of proline imidic peptide bonds, PPIL6 has been characterized as a probable inactive PPIase with no detectable peptidyl-prolyl cis-trans isomerase activity (as established in PMID:20676357). This unique functional profile suggests PPIL6 may serve alternative biological roles, potentially involving protein-protein interactions or regulatory functions independent of traditional rotamase activity, making it an intriguing subject for structural and functional studies in cellular processes.