Recombinant PPIL3 protein (His tag)

Catalog Number	543594
Synonyms	PPIase; Cyclophilin J; CyPJ; Cyclophilin-like protein PPIL3; Rotamase PPIL3
Species	Human
Expression System	E. coli
Accession	Q9H2H8
Molecular Weight	Predictes a molecular mass of 19.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	2-161
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 2-161 aa (Q9H2H8) 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 PPIL3/Peptidyl-prolyl cis-trans isomerase-like 3 fragment (amino acids 2-161), a high-purity protein containing the complete PPIase cyclophilin-type domain. This fragment serves as an essential tool for studying proline isomerization kinetics and protein folding mechanisms in biochemical research. Peptidyl-prolyl cis-trans isomerase-like 3 (PPIase) is an enzyme that accelerates protein folding by catalyzing the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. This cyclophilin family member, also known as Cyclophilin J or CyPJ, plays a crucial role in protein maturation and structural rearrangement. Beyond its primary function in protein folding, evidence suggests potential involvement in pre-mRNA splicing processes, indicating broader biological significance in cellular regulation and gene expression.