

# Rat Cyclophilin F Bioactive Recombinant Protein



RPPB1544

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## Product Information    Protein Information

**Product SKU:**

RPPB1544

**Accession:**

P29117

**Host:**

Escherichia Coli.

**Protein description:**

Cyclophilin F Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 200 amino acids (30-206 a.a) and having a molecular mass of 21.2Da. Cyclophilin F is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

Peptidyl-prolyl cis-trans isomerase F, mitochondrial, PPIase F, Cyclophilin D, CyP-D, CypD, Cyclophilin F, Rotamase F.

**Formulation:**

Cyclophilin F protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4), 10% glycerol and 1mM DTT.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHH S SGLVPRGSH MGSCSDGGAR GANSSSQNPL VYLDVGADGQ PLGRVVLELK ADVVPKTAEN  
FRALCTGEKG FGYKGFSTFHR VIPAFMCQAG DFTNHNGTGG KSIYGSRFPD ENFTLKHVGP GVLSMANAGP  
NTNGSQFFIC TIKTDWLDGK HVVFGHVKEG MDVVKKIESF GSKSGKTSKK IVITDCGQLS.

**Biological Activity:**

Specific activity is > 1,300 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmol of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.