

Cyclophilin F (PPIF), 30-207aa, Human, Recombinant, E.coli

Cat.NO.: TP01811

3th Edition

Synonyms: Peptidylprolyl isomerase F, CYP3, Cyp-D

Description: Cyclophilin F (also known as Peptidylprolyl isomerase F, PPIF) is a member of peptidyl-prolyl cis-trans isomerase family. They are highly-conserved cytoplasmic enzymes that accelerate protein folding. This protein is part of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of apoptotic and necrotic cell death.

Form: Liquid in 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT 10% glycerol

Molecular Weight: 21 kDa (198aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHCSKGSGBPSSSSSSGNPLVYLDVDANGKPLGRVVLELKADVVPKTAENFRALCT
GEKGFGYKGSTFHRVIPSFMCQAGDFTNHNGTGGKSIYGSRFPDENFTLKHVGPVLSMANAGPNTNGSQFFICTI
KTDWLDGKHVVFGHVKEGMDVVKKIESFGSKSGRTSKKIVITDCGQLS

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.