

32-2247: Cyclophilin F Recombinant Protein

Alternative Name : Oeptidylprolyl Isomerase F,PPIF,CYP-D,CYP3,SnuCyp-20,Peptidyl-prolyl cis-trans isomerase mitochondrial,Cyclophilin F,FLJ90798,MGC117207,peptidylprolyl isomerase F.

Description

Source : Escherichia Coli. PPIF Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 198 amino acids (30-207) and having a molecular mass of 21 kDa. The PPIF is fused to a 20 amino acid His tag at N-terminus and is purified by proprietary chromatographic techniques. PPIF is a part of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIF accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIF is key component 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.

Product Info

Amount : 50 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : PPIF solution containing 20mM Tris-HCl pH-7.5, 10% glycerol and 1mM DTT.
Storage condition : 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 : MGSSHHHHHH SSGLVPRGSH CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GRVVLELKAD
 VVPKTAENFR ALCTGEKGFG YKGSTFHRVI PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN
 FTLKHVGPGV LSMANAGPNT NGSQFFICTI KTDWLDGKHV VFGHVKEGMD VVKKIESFGS
 KSGRTSKKIV ITDCGQLS.

Application Note

Specific activity is > 250 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

