



## Product Datasheet

<b>Product Name</b>	Cyclophilin-F Human Recombinant
<b>Cata No</b>	CB501094
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Oeptidylprolyl Isomerase F, PPIF, CYP-D, CYP3, SnuCyp-20, Peptidyl-prolyl cis-trans isomerase mitochondrial, Cyclophilin F, FLJ90798, MGC117207, peptidylprolyl isomerase F.

### Description

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.

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 20 amino acid His tag at N-terminus and is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Formulation

PPIF solution containing 20mM Tris pH-7.5, 10% glycerol and 1mM DTT.

### Stability

PPIF Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

**Please prevent freeze thaw cycles.**

### Sequence

MGSSHHHHHH SSGLVPRGSH CSKGSGBPSS  
SSSSGNPLVY LDVDANGKPL GRVVLELKAD  
VVPKTAENFR ALCTGEKFG YKGSTFHRVI  
PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN  
FTLKHVGPV LSMANAGPNT NGSQFFICTI  
KTDWLDGKHV VFGHVKEGMD VVKKIESFGS  
KSGRTSKKIV ITDCGQLS.