

Cyclophilin-F Human Recombinant

Item Number	rAP-0939
Synonyms	Peptidylprolyl Isomerase F, PPIF, CYP-D, CYP3, SnuCyp-20, Peptidyl-prolyl cis-trans isomerase mitochondrial, Cyclophilin F, FLJ90798, MGC117207, peptidylprolyl isomerase F.
Description	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.
Uniprot Accesion Number	P30405
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GVVLELKAD VVPKTAENFR ALCTGEKGFG YKGSTFHRVI PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN FTLKHVGPGV LSMANAGPNT NGSQFFICTI KTDWLDGKHV VFGHVKEGMD VVKKIESFGS KSGRTSK-KIV ITDCGQLS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	PPIF solution containing 20mM Tris-HCl pH-7.5, 10% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**