

**Cyclophilin A, 1-165 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP01808**

3th Edition

**Synonyms:**Peptidylprolyl isomerase A, PPIA, CYPA, CYPH

**Description:**Cyclophilin A (also known as Peptidylprolyl isomerase A, PPIA) encodes a member of the peptidyl-prolyl cis-trans isomerase family. They are highly-conserved cytoplasmic enzymes that accelerate protein folding. Cyclophilin A is also incorporated into many viruses, including HIV-1, where it has been speculated to be involved in functions such as viral assembly and infectivity.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20 mM NaCl, 0.5 mM DTT, 10% glycerol

**Molecular Weight:**20kDa (185aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMVNPTVFFDIAVDGEPLGRVSEFELFADKVPKTAENFRALSTGEKGFYKGGSCFHR  
IIPGFMCQGGDFTRHNGTGGKSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGKV  
KEGMNIVEAMERFGSRNGKTSKKITIADCGQLE

**Purity:**> 95% by HPLC

**Concentration:**1.0 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.