

**Cyclophilin G, 1-175 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP01812**

3th Edition

**Synonyms:**Peptidyl-prolyl cis-trans isomerase G, PPIase G, Rotamase G, Cyclophilin G, CASP10, PPIG

**Description:**Peptidyl-prolyl cis-trans isomerase G (PPIG), also known as Cyclophilin G, is a member of peptidylprolyl cis-trans isomerase family (PPIases). This protein catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and is implicated in the folding, transport, and assembly of proteins.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0), containing 1mM DTT, 10% glycerol

**Molecular Weight:**21.6 kDa (195aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGIKVQRPRCFFDIANNQPAGRVVFELFSDVCPKTCENFRCLCTGEKGTGKSTQ  
KPLHYKSCLFHRVVKDFMVQGGDFSEGNRGGESIYGGFFEDSFVAVKHNFLLSMANRGKDTNGSQFFITTKP  
TPHLDGHHVVFQGQVISGQEVVREIENQKTDAAASKPFAEVRILSCG

**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.