

Cyclophilin-G Human Recombinant

Item Number	rAP-0941
Synonyms	Peptidyl-prolyl cis-trans isomerase G, PPIase G, Rotamase G, PPIG, peptidylprolyl isomerase G, Cyclophilin G, Peptidyl-prolyl isomerase G, Rotamase G, Cik-associating RS-cyclophilin, CARS-cyclophilin, CARS-Cyp, SR-cyclophilin, SR-cyp, SRcyp, CASP10, CYP,
Description	Cyclophilin-G Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195 amino acids (1-175 a.a.) and having a molecular mass of 21.6 kDa. Cyclophilin-G is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q13427
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGIVKQRPRC FFDIAINNQP AGRVVVFELFS DVCPKTCENF RCLCTGEKGT GKSTQKPLHY KSCLFHRVVK DFMVQGGDFS EGNGRGGESI YGGFFEDESF AVKH-NKEFL SMANRGKDTN GSQFFITTKP TPHLDGHVV FGQVISGQEV VREIENQKTD AASKPFAEVR ILSCG.
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	Cyclophilin-G solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 200 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**