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## Product Data Sheet

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Product Name: Cyclophilin C Human  
 Cat. No.: GP21525  
 Batch No.: 1

### Product Data

|                     |   |                    |                       |
|---------------------|---|--------------------|-----------------------|
| Purity              | >98%  | Source             | Escherichia Coli.     |
| Physical Appearance | solid   | Shipping Condition | Shipped at Room temp. |
| Synonyms            | Peptidylprolyl Isomerase C (Cyclophilin C); Cyclophilin C; Rotamase C; EC 5.2.1.8; PPlase C; CYPC; Peptidyl-Prolyl Cis-Trans Isomerase C; Parvulin; PPIC.   |                    |                       |
| Amino Acid Sequence | MKHHHHHHASFRKRGPSVTA KVFFDVRIGD KDVGRIVIGL FGKVVPKTVE<br>NFVALATGEK GYGYKGSKFH RVIKDFMIQG GDITTGDGTG GVSİYGETFP<br>DENFKLKHYG IGWVSMANAG PDTNGSQFFI TLTKPTWLDG KHVVFVKVID<br>GMTVVHSIEL QATDGHDRPL TNCSIINSGK IDVKTPFVVE IADW.  |                    |                       |
| Solubility          | It is recommended to add 200µl of deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Cyclophilin-C is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. |                    |                       |
| Formulation         | Cyclophilin-C was filtered (0.4 µm) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5.  |                    |                       |

### Introduction

Cyclophilin-C belongs to the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Like other PPlases, the Cyclophilin-C protein can bind immunosuppressant cyclosporin A.

### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

Cyclophilin-C Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Phe29-Trp212) containing 194 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 21.3kDa.

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