



## Product Datasheet

<b>Product Name</b>	Peptidylprolyl Isomerase (Cyclophilin)-Like 1 Human Recombinant
<b>Cata No</b>	CB501397
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Peptidyl-Prolyl Cis-Trans Isomerase-Like 1, PPIL-1, CYPL1, hCyPX, MGC678, PPIase, CGI-124, PPIL1.

### Description

PPIL1 belongs to the cyclophilin family of peptidylprolyl isomerases (PPIases). The cyclophilins are a well conserved, ubiquitous family, members of which take an significant part in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL1 protein increases the folding of proteins and catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIL1 is involved in proliferation of cancer cells through modulation of phosphorylation of stathmin. PPIL1 is a novel molecular target for colon-cancer therapy. PPIL1 Human Recombinant protein produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 174 amino acids (1-166) and having a molecular mass of 19.3 kDa. PPIL1 is fused to 8 amino acid His Tag at C-terminus and is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Formulation

PPIL1 solution containing 20mM Tris pH-8, 20mM NaCl, and 20% glycerol.

### Stability

PPIL1 Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

**Please prevent freeze thaw cycles.**

### Sequence

MAAIPPDSWQ PPNVYLETSM GIIVLELYWK  
HAPKTCKNFA ELARRGYNG TKFHRIIKDF  
MIQGGDPTGT GRGGASIYGK QFEDELHPDL  
KFTGAGILAM ANAGPDTNGS QFFVTLAPTQ  
WLDGKHTIFG RVCQGIGMVN RVGMVETNSQ  
DRPVDDVKII KAYPSGLEHH HHHH.