

32-2709: PPIL1 Recombinant Protein

Alternative Name : Peptidyl-Prolyl Cis-Trans Isomerase-Like 1, PPIL-1, CYPL1, hCyPX, MGC678, PPIase, CGI-124, PPIL1.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	PPIL1 solution containing 20 mM Tris-HCl buffer (pH 8.0) and 20% glycerol
Storage condition :	PPIL1 Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MAAIPPDSWQ PPNVYLETSM GIIVLELYWK HAPKTCNKFA ELARRGYNG TKFHRIKDF MIQGGDPTGT GRGGASIYGK QFEDELHPDL KFTGAGILAM ANAGPDTNGS QFFVTLAPTQ WLDGKHTIFG RVCQGIGMVN RVGMVETNSQ DRPVDDVKII KAYPSGLEHH HHHH.

Application Note

Specific activity is > 300 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.

