

32-2711: PPIL4 Recombinant Protein

Alternative Name : Peptidyl-prolyl cis-trans isomerase-like 4, PPIase, Cyclophilin-like protein PPIL4, Rotamase PPIL4, PPIL4, HDCME13P.

Description

Source : Escherichia Coli. PPIL4 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 512 amino acids (1-492 a.a.) and having a molecular mass of 59.4kDa. The PPIL4 is purified by proprietary chromatographic techniques. PPIL4 belongs to an evolutionarily conserved cyclophilin-type PPIase family of proteins. PPIL4, which is ubiquitously expressed with predominant expression in kidney localizes to the nucleus and contains one PPIase cyclophilin-type domain, a lysine-rich domain, a pair of bipartite nuclear targeting sequences and one RRM (RNA recognition motif) domain. The presence of the RRM domain along with nuclear targeting sequences implies that PPIL4 may be involved in transcriptional regulation.

Product Info

Amount : 10 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : The PPIL solution (0.5 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.
Storage condition : PPIL4 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MAVLLETTLG DVVIDLYTEE RPRACLNFLK LCKIKYYNYC LIHNVQRDFI IQTGDPTGTG RGGESIFGQL YGDQASFFEA EKVPRIKHKK KGTVSMVNNG SDQHGSQFLI TTGENLDYLD GVHTVFGEVT EGMDIKKIN ETFVDKDFVP YQDIRINHTV ILDDPFDDPP DLLIPDRSPE PTREQLDSCR IGADDEIDDF KGRSAEEVEE IKAKEAKTQ AILLEMVGD L PDADIKPPEN VLFVCKLNPV TTDEDLEIIF SRFGPIRSCE VIRDWKTGES LCYAFIEFEK EEDCEKAFFK MDNVLIDRR IHVDFSQSVA KVKWKGKGGK YTKSDFKEYE KEQDKPPNLV LKDKVKPKQD TKYDLILDEQ AEDSKSSHSH TSKKHKKKTH HCSEEKED YMPIKNTNQD IYREMGFGHY EEEESCWEKQ KSEKRDRTQN RSRRSRERD GHYSNSHKSK YQTDLYERER SKKRDRSRSP KSKDKEKSK YR.

Application Note

Specific activity is > 190 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.