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32-2710: PPIL2 Recombinant Protein

Alternative Name : CYC4,Cyp-60,CYP60,hCyP-60,Peptidyl-prolyl cis-trans isomerase-like 2,PPIase,Rotamase PPIL2,Cyclophilin-60,Cyclophilin-like protein Cyp-60,PPIL2,MGC787,FLJ39930,MGC33174.

Description

Source : Escherichia Coli. PPIL2 Human Recombinant fused to 20 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 547 amino acids (1-527 a.a.) and having a molecular mass of 61.6 kDa. The PPIL2 is purified by proprietary chromatographic techniques. PPIL2 is part of the cyclophilin family of peptidylprolyl isomerases which are highly conserved ubiquitous proteins that play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL2 interacts with the proteinase inhibitor eglin c and is localized in the nucleus. PPIL2 increases folding of proteins andcatalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

Product Info

Amount : 10 µg

Purification : Greater than 95% as determined by SDS-PAGE.

Content : The PPIL2 solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.

Storage condition : PPIL2 Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGKRQHQKDK MYITCAEYTH FYGGKKPDLP QTNFRRLPFD HCSLSLQPFV YPVCTPDGIV FDLLNIVPWL KKYGTNPSNG EKLDGRSLIK LNFSKNSEGK YHCPVLFTVF TNNTHIVAVR TTGNVYAYEA VEQLNIKAKN FRDLLTDEPF SRQDIITLQD PTNLDKFNVS NFYHVKNNMK IIDPDEEKAK QDPSYYLKNT NAETRETLQE YKEFKGDEI LAATMKAPEK KKVDKLNAAH YSTGKVSASF TSTAMVPETT EAAAIDEDV LRYQFVKKKG YVRLHTNKGD LNLELHCDLT PKTCENFIRL CKKHYYDGTI FHRSIRNFVI QGGDPTGTGT GGESYWGKPF KDEFRPNLSH TGRGILSMAN SGPNSNRSQF FITFRSCAYL DKKHTIFGRV VGGFDVLTAM ENVESDPKTD RPKEEIRIDA TTVFVDPYEE ADAQIAQERK TQLKVAPETK VKSSQPQAGS QGPQTFRQGV GKYINPAATE QQRKSPQPVP LSPCPRRSPV GVLGTSAPGS SRLPDDH.

Application Note

Specific activity is > 290 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.