

PPIL2, 1-527aa, Human, His tag, E.coli

Cat.NO.: TP03491

3th Edition

Synonyms:Peptidyl-prolyl cis-trans isomerase-like 2, CYC4, Cyp-60, CYP60, hCyP-60, GC33174.

Description:PPIL2, which belongs to the cyclophilin family of peptidylprolyl isomerases, is an enzyme that plays an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. This protein interacts with the proteinase inhibitor eglin c and is localized in the nucleus. Recombinant PPIL2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

Molecular Weight:61.6 kDa (547aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGKRQHQKDKMYITCAEYTHFYGGKKPDLPQTNFRRLPFDHCSLSLQPFVYPVC
TPDGIVFDLLNIVPWLKKYGTNPSNGEKLDGRSLIKLNFSKNSEGKYHCPVLFTVFTNNTNTHIVAVRTTGNVYAYEAVE
QLNIKAKNFRDLLTDEPFSRQDIITLQDPTNLDKFNVSNFYHVKNMKIIDPDEEKAKQDPSYYLKNTNAETRETLQE
LYKEFKGDEILAATMKAPEKKKVDKLNAAHYSTGKVSASFSTAMVPETTHEAAAIDEDVLRVYQFVKKKGYVRLHTN
KGDNLNLELHCDLTPKTCENFIRLCKKHYYDGTIFHRSIRNFVIQGGDPTGTGTGGESYWGKPKDEFRPNLSHTGR
GILSMANSGPNSNRSQFFITFRSCAYLDKKHTIFGRVVGFDVLTAMENVESDPKTDPRKKEIRIDATTVFVDPYEEA
DAQIAQERKTQLKVAPETKVKSSQPQAGSQGPQTFRQGVGKYINPAATEQQRKSPQPVPLSPCPRRSPVGVVLGTS
APGSSRLPDDH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.