
Cyclophilin D(PPID), 1- 370aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP01810

3th Edition

Synonyms:Peptidylprolyl isomerase D, PPID, CYPD; CYP-40

Description:Cyclophilin D (also known as peptidylpropyl isomerase D, PPID) is a member of peptidyl-propyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. This protein can bind to the immunosuppressant cyclosporine A and was known that its overexpression suppresses the apoptosis in cancer cells.

Form:Liquid. In Phosphate buffered saline(pH 7.4) containing 10% glycerol

Molecular Weight:42.9kDa (390aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSHPSPQAKPSNPSNPRVFFDVIDGGERVGRIVLELFADIVPKTAENFRALCTGE
KGIGHTTGKPLHFKGCPFHRIIKKFMIQGGDFSNQNGTGGESIYGEKFEDENFHYKHDREGLLSMANAGRNTNGSQ
FFITTVPTPHLDGKHVVFGQVIKIGIVARILENVEVKGEKPAKLCVIAECGELKEGDDGGIFPKDGS GD SHPDPEDA
DIDLKDVDKILLITEDLKNIGNTEFFKSQNWEMAIKKYAEVLRVYDSSKAVIETADRAKLQPIALSCVLNIGACKLKMSN
WQGAIDSCLEALELDPSTKALYRRAQGWQGLKEYDQALADLKKAAQGIAPEDKAIQAELLKVKQKIKAKDKKEKAV
YAKMFA

Purity:> 95% by HPLC

Concentration:1 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.