



Recombinant Protein Technical Manual
Recombinant Human Cyclophilin D/PPID Protein (His
Tag)
RPES1544

Product Data:

Product SKU: RPES1544

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q08752

Protein Information:

Molecular Mass: 43.9 kDa

AP Molecular Mass: 40 kDa

Tag: N,C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Peptidyl-Prolyl Cis-Trans Isomerase D; PPlase D; 40 kDa Peptidyl-Prolyl Cis-Trans Isomerase; Cyclophilin-40; CYP-40; Cyclophilin-Related Protein; Rotamase D; PPID; CYP40; CYPD

Immunogen Information:

Sequence: Met 1-Ala370

Background:

Peptidyl-Prolyl Cis-Trans Isomerase D (PPID) belongs to the cyclophilin-type PPIase family and PPIase D subfamily. PPID is widely expressed and it contains one PPIase cyclophilin-type domain and three TPR repeats. PPID catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. PPID can bind to the immunosuppressant cyclosporine A and is known that its overexpression suppresses the apoptosis in cancer cells.