



Recombinant Protein Technical Manual

Recombinant Human Parvulin4/PIN4 Protein (His Tag)

RPES1296

Product Data:

Product SKU: RPES1296

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9Y237-2

Protein Information:

Molecular Mass: 18.8 kDa

AP Molecular Mass: 18 kDa

Tag: N-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 NIMA-interacting 4; Parvulin4; Parvulin7; Peptidyl-prolyl cis-trans isomerase Pin4; Peptidyl-prolyl cis/trans isomerase EPVH; Rotamase Pin4; PIN4;

Immunogen Information:

Sequence: Met 1-Lys156

Background:

Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4(PIN4) is a peptidyl-prolyl cis/trans isomerase (PPIase) which interacts with NIMA and is vital for cell cycle regulation. PIN4 has 2 different isoforms: PAR14 and PAR17. Furthermore, PIN4 protein binds to double-stranded DNA under physiological salt conditions. PIN4 is involved as a ribosomal RNA processing factor in ribosome biogenesis. The PAR14 binds to tightly bent AT-rich stretches of double-stranded DNA, but PAR17 binds to double-stranded DNA.