



Recombinant Protein Technical Manual
Recombinant Human Cyclophilin E/PPIE Protein (His
Tag)
RPES1581

Product Data:

Product SKU: RPES1581

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9UNP9

Protein Information:

Molecular Mass: 35.6 kDa

AP Molecular Mass: 34 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 TrisHCl, pH 8.0.

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

Application:

Synonyms: Peptidyl-Prolyl Cis-Trans Isomerase E; PPIase E; Cyclophilin E; Cyclophilin-33; Rotamase E; PPIE; CYP33

Immunogen Information:

Sequence: Met 1-Val301

Background:

Peptidyl-prolyl cis-trans isomerase E, also known as Cyclophilin E, Cyclophilin-33, Rotamase E, CYP33, PPIE, is an enzyme which belongs to the cyclophilin-type PPIase family of PPIase E subfamily. PPIE found in all the examined tissues including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. PPIE contains one PPIase cyclophilin-type domain and one RRM (RNA recognition motif) domain. PPIE accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIE combines RNA-binding and PPIase activities. It may be involved in muscle- and brain-specific processes and pre-mRNA splicing.