Recombinant Mouse Ppie Protein, Myc/DDK-tagged

Cat. No. Ppie-5042M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peptidylprolyl isomerase E (cyclophilin E) (Ppie), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in pre-mRNA splicing as component of the spliceosome. Combines RNA-binding and PPIase activities. Binds mRNA and has a preference for single-stranded RNA molecules with poly-A and poly-U stretches, suggesting it binds to the poly(A)-region in the 3'-UTR of mRNA molecules. Catalyzes the cis-trans isomerization of proline imidic peptide bonds in proteins. Inhibits KMT2A activity; this requires proline isomerase activity.
Molecular Mass	33.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ppie peptidylprolyl isomerase E (cyclophilin E) [Mus musculus (house mouse)]
Official Symbol	Ppie
Synonyms	PPIE; peptidylprolyl isomerase E (cyclophilin E); peptidyl-prolyl cis-trans isomerase E; PPIase E; rotamase E; cyclophilin E; cyclophilin-33; Cyp33; 2010010D16Rik
Gene ID	56031
mRNA Refseq	NM_019489
Protein Refseq	NP_062362
UniProt ID	Q9QZH3

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