

Cyclophilin E Human

Description: Cyclophilin-E Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 337 amino acids (1-301 a.a.) and having a molecular mass of 37.5 kDa. Cyclophilin-E is fused to 36 amino acids long His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Catalog #: ENPS-390

For research use only.

Synonyms: Peptidyl-prolyl cis-trans isomerase E, PPlase E, Rotamase E, Cyclophilin-33, PPIE, peptidylprolyl isomerase E, CYP33, Cyclophilin E, CYP-33, MGC3736, MGC111222.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATT
KRVLYVGGLA EEVDDKVLHA AFIPFGDITD IQIPLDYETE KHRGFADFVEF ELAEDAAAAI
DNMNESELF RTIRVNLAKP MRIKEGSSRP VWSDDDLWKK FSGKTELENK EEEGSEPPKA
ETQEGEPIAK KARSNPQVYM DIKIGNKPAG RIQMLLRSDV VPMTAENFRC LCTHEKGFGE
KGSSFHRIIP QF

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

Cyclophilin-E solution containing 20mM Tris pH-8.

Stability:

Cyclophilin-E Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Cyclophilin-E is a member of the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and speeds up the protein folding. Cyclophilin-E contains a highly conserved cyclophilin domain in addition to a RNA-binding domain. Cyclophilin-E exhibits PPlase activity, protein folding activities and possess RNA-binding activity. Cyclophilin-E contains 2 RNA binding domains at the N-terminal region and a PPlase domain at the C-terminal region.

Biological Activity:

Specific activity is > 210 nmoles/min/μg, and is defined as the amount of enzyme that cleave 1umole of suc-AAFP-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.

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