



Product Datasheet

Product Name	Cyclophilin-E Human Recombinant
Cata No	CB501392
Source	<i>Escherichia Coli.</i>
Synonyms	Peptidyl-prolyl cis-trans isomerase E, PPIase E, Rotamase E, Cyclophilin-33, PPIE, peptidylprolyl isomerase E, CYP33, Cyclophilin E, CYP-33, MGC3736, MGC111222.

Description

Cyclophilin-E is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases 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 PPIase activity, protein folding activities and possess RNA-binding activity. Cyclophilin-E contains 2 RNA binding domains at the N-terminal region and a PPIase domain at the C-terminal region. 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.

Physical Appearance

Sterile filtered colorless solution.

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.

Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD
KDRWGSMATT KRVLYVGGLA EEVDDKVLHA
AFIPFGDITD IQIPLDYETE KHRGFVFEF
ELAEDAAAIAI DNMNESELF RTIRVNLAKP
MRIKEGSSRP VWSDDDWLKK FSGKTLEENK
EEEGSEPPKA ETQEGEPIAK KARSNPQVYM
DIKIGNKPAG RIQMLLRSDV VPMTAENFRC
LCTHEKGFGEF KGSSFHRIIP QFMCQGGDFT
NHNGTGGKSI YGKKFDDENF ILKHTGPGLL
SMANSGPNTN GSQFFLTCDK TDWLDGKHVV
FGEVTEGLDV LRQIEAQGSK DGKPKQKVII
ADCGEYV