

RPPB1644

Product Information Protein Information

Product SKU:

RPPB1644

Accession:

Q02790

Host:

Escherichia Coli.

Protein description:

FKBP4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 479 amino acids (1-459 a.a.) and having a molecular mass of 53.9 kDa. FKBP4 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

HBI, p52, Hsp56, FKBP52, FKBP59, PPIase, FKBP4, FK506-binding protein 4, Peptidyl-prolyl cis-trans isomerase, HSP-binding immunophilin, FKBP52 protein, 52 kDa FK506-binding protein, p59 protein.

Formulation:

The FKBP4 protein solution contains 20mM Tris-HCl, pH-8 and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MTAEEMKATE SGAQSAPLPM EGVDISPKQD EGVLKVIKRE GTGTEMPMIG
DRVFNHYTGW LLDGTFDSS LDRKDKFSFDLKGGEVIKAW DIAIATMKVG EVCHITCKPE YAYGSAGSPP
KIPPNATLVF EVELFEFKGE DLTEEDGGI IRRIQTRGEG YAKPNEGAIV EVALEGYYKDKLFDQRELRF
EIGEGENLDL PYGLERAIQR MEKGEHSIVY LKPSYAFGSV GKEKFQIPPV AELKYELHLK SFEKAKESWE
MNSEEKLEQS TIVKERTVYFKEGKYQAL LQYKIVSWL EYESSFSNEE AQKAQALRLA SHLNLAMCHL
KLQAFSAAIE SCNKALELDS NNEKGLFRRG EAHLAVNDFE LARADFQKVLQLYPNNKAAK TQLAVCQQRI
RRQLAREKKL YANMFERLAE EENKAKAEAS SGDHPDTEM KEEQKSNTAG SQSQVETEA.

Biological Activity:

Specific activity is > 300 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH 8.0 using chymotrypsin.