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FKBP14 Human

Description:FKBP14 Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 213 amino acids (20-211 a.a.) and having a molecular mass of 24.2 kDa. The FKBP14 is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-537

For research use only.

Synonyms:FKBP22, FKBP-14, FK506 Binding Protein 14, FKBP14, EC=5.2.1.8, PPlase FKBP14,Peptidyl-prolyl cis-trans isomerase FKBP14, FLJ20731.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MALIPEPEVK IEVLQKPFIC HRKTKGGDLM LVHYEGYLEK DGSLFHSTHK HNNGQPIWFT LGILEALKGWDQGLKGMCVG EKRKLIIPPA LGYGKEGKGK IPPESTLIFN IDLLEIRNGP RSHESFQEMD LNDDWKLSKD EVKAYLKKEF EKHGAVVNES HHDALVEDIF DKEDEDKDGF ISAREFTYKH DEL.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
FKBP14 Human solution containing 1x PBS pH-7.4, & 10% glycerol.

Stability:
FKBP14 Human althoμgh stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:
NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
FKBP14 enzyme accelerates the folding of proteins during protein synthesis. FKBP14 contains 2 EF-hand domains and one PPIase FKBP-type domain. Truncation of the amino-terminus of FKBP14 significantly decreases peptidyl prolyl cis-trans isomerase activity, therefore implicating that the PPIase FKBP-type domain must be located at the N-terminus.

Biological Activity:
Specific activity is > 240 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 pH8.0 using chymotrypsin.

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