

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 DGS LFHSTHK HNNGQPIWFT LGILEALKGWDQGLKGMCVG
EKRKLIIPPA LYGKKEGKGK 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 although 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 for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, 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 PPlase FKBP-type domain. Truncation of the amino-terminus of FKBP14 significantly decreases peptidyl prolyl cis-trans isomerase activity, therefore implicating that the PPlase 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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