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32-2323: FKBP14 Recombinant Protein

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	FKBP14 Human solution containing 1x PBS pH-7.4, & 10% glycerol.
Storage condition :	FKBP14 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MALIPEPEVK IEVLQKPFIC HRKTKGGDLM LVHYEGYLEK DGSLFHSTHK HNNGQPIWFT LGILEALKGW DQGLKGMCVG EKRKLIIPPA LGYGKEGKGK IPPESTLIFN IDLLEIRNGP RSHESFQEMD LNDDWKLSKD EVKAYLKKEF EKHGAVVNES HHDALVEDIF DKEDEDKDGF ISAREFTYKH DEL.

Application Note

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 25Ã‚Â°C in Tris-HCl pH8.0 using chymotrypsin.