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DATA SHEET

Peptidyl-Prolyl Cis/Trans Isomerase NIMA-Interacting 4 Human Recom-

Item Number	rAP-1211
Synonyms	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4, Parvulin-14, Par14, hPar14, Parvulin-17, Par17, hPar17, Peptidyl-prolyl cis-trans isomerase Pin4, PPIase Pin4, Peptidyl-prolyl cis/trans isomerase EPVH, hEPVH, Rotamase Pin4, PIN4, EPVH, MGC138486.
Description	PIN4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids (1-156 a.a.) and having a molecular mass of 18.8kDa.PIN4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9Y237
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPMAGLLKGL VRQLERFSVQ QQASKMPPKG KSGSGKAGKG GAASGSDSAD KKAQGPKGGG NAVKVRHILC EKHGKIMEAM EKLKSGMRFN EVAAQYSEDK ARQGG-DLGWM TRGSMVGPFQ EAAFALPVSG MDKPVFTDPP VKTKFGYHII MVEGRK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	PIN4 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 0.1mM PMSF. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
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 pH8.0 using chymotrypsin.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only