

Human Cyclophilin A Recombinant Protein

Product Details

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| Size | 100 µg |
| Species | Human |
| Expression system | E. coli |
| Amino acid sequence | Full-length |
| Molecular weight | 18 kDa |
| Class | Recombinant |
| Type | Protein |
| Purity | >95% by SDS-PAGE |
| Endotoxin concentration | <0.1 EU/µg |
| Activity | Catalyzes the cis-trans-isomerization of X-Pro-peptide bonds. The protein folding that is limited by the isomerization of X-Pro-peptide bonds can be accelerated by cyclophilin A. Also binds to cyclosporins and the cyclophilin A/cyclosporin A. |
| Conjugate | Unconjugated |
| Form | Liquid |
| Concentration | 0.8 mg/mL |
| Purification | sequential chromatography |
| Storage buffer | 20mM tris HCl, pH 7.8 |
| Contains | no preservative |
| Storage conditions | 4° C |

| Applications | Tested Dilution | Publications |
|-----------------------------|-----------------|---------------|
| Control (Ctrl) | Assay-dependent | - |
| Miscellaneous PubMed (Misc) | - | 1 Publication |
| SDS-PAGE (SDS-PAGE) | Assay-dependent | - |

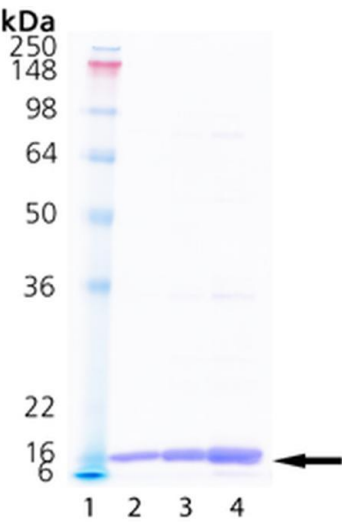
Product Specific Information

RP-020 can be used to catalyze the cis-trans-isomerization of X-Pro-peptide bonds. Protein folding reactions that are limited by the isomerization of X-Pro-peptide bonds are accelerated by cyclophilin A.

RP-020 is a full-length human recombinant Cyclophilin A protein expressed in E. coli. Freezing of the enzyme or storage of the enzyme in diluted form could lead to loss of activity.

Caution: Loss of protein may occur at high dilutions due to adsorption to container surfaces. Freezing of the enzyme or storage of the enzyme in diluted form could lead to loss of activity. In order to best maintain the endotoxin specification and peptidyl prolyl isomerase activity, it is recommended that aliquots be withdrawn with sterile pipet tips, if possible under a sterile hood.

Product Images For Human Cyclophilin A Recombinant Protein



Human Cyclophilin A Protein (RP-020) in SDS-PAGE
SDS-PAGE Analysis. Lane 1: MW Marker. Lane 2: 1 µg, Lane 3: 2 µg, Lane 4: 5 µg Cyclophilin A.

1 Reference

Miscellaneous PubMed (1)

| | |
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| <p>The Journal of biological chemistry</p> <p>Induction of reactive oxygen species-mediated autophagy by a novel microtubule-modulating agent.</p> <p>Authors: Karna P,Zughaier S,Pannu V,Simmons R,Narayan S,Aneja R</p> | <p>Year 2010</p> |
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