

Product datasheet

Recombinant Cyclophilin B protein ab53870

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Cyclophilin B protein
Biological activity	Specific activity is > 1,500nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAPF-pNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.
Purity	> 95 % SDS-PAGE. This product was expressed in E.coli and purified by using conventional chromatography techniques.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant

Specifications

Our **Abpromise guarantee** covers the use of **ab53870** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

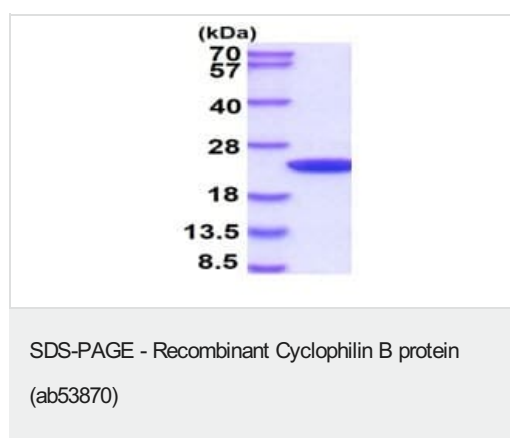
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0077% DTT, 0.242% Tris, 10% Glycerol (glycerin, glycerine), 0.116% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

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Function	PPLases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Involvement in disease	Defects in PPIB are the cause of osteogenesis imperfecta type 9 (OI9) [MIM:259440]. OI9 is a connective tissue disorder characterized by bone fragility, low bone mass and bowing of limbs due to multiple fractures. Short limb dwarfism and blue sclerae are observed in some but not all patients.
Sequence similarities	Belongs to the cyclophilin-type PPlase family. PPlase B subfamily. Contains 1 PPlase cyclophilin-type domain.
Cellular localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



ab53870 on 15% SDS-PAGE (3µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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