

# Product Datasheet

## Recombinant Human Cyclophilin B Protein NBC1-18424

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBC1-18424**

## Recombinant Human Cyclophilin B Protein

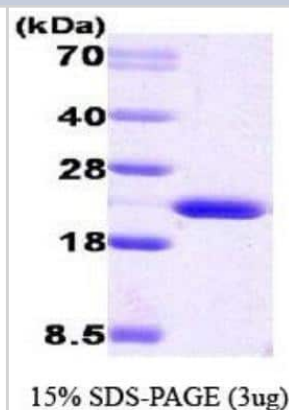
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%, by SDS-PAGE
Buffer	20mM Tris-HCl buffer (pH 8.0), 20mM NaCl, 0.5mM DTT, 10% glycerol
Target Molecular Weight	21.2 kDa

Product Description	
Description	<p>An un-tagged recombinant protein corresponding to the amino acids 26- 216 of Human Cyclophilin B</p> <p><b>Source:</b> <i>E.coli</i></p> <p><b>Amino Acid Sequence:</b> MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL FGKTVPKTVD NFVALATGEK GFGYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP DENFKLKHYG PGWVSMANAG KDTNGSQFFI TTVKTAWLDG KHVVFVKVLE GMEVVRKVES TKTDSRDKPL KDVIADCGK IEVEKPFAIA KE</p>
Gene ID	5479
Gene Symbol	PPIB
Species	Human
Details of Functionality	Specific activity is > 1,500 nmol/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.
Endotoxin Note	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

**Images**

SDS-Page: Recombinant Human Cyclophilin B Protein [NBC1-18424]



## Publications

Eduard Sarró, Mónica Durán, Ana Rico, Diana Bou-Teen, Vanesa Fernández-Majada, Anthony J Croatt, Karl A Nath, Maria Teresa Salcedo, Justin H Gundelach, Daniel Batlle, Richard J Bram, Anna Meseguer, Xuebiao Yao  
Cyclophilins A and B oppositely regulate renal tubular epithelial cell phenotype *Journal of Molecular Cell Biology* 2020 -07-01 [PMID: 32162654]

Wang G, Li Y, Wang T et al. Multi-comparative Thermal Proteome Profiling Uncovers New O-GlcNAc Proteins in a System-wide Method *Analytical chemistry* 2022-12-29 [PMID: 36580660]

Zhu D, Wang Z, Zhao JJ et al. The Cyclophilin A-CD147 complex promotes the proliferation and homing of multiple myeloma cells. *Nat. Med.* 2015-05-25 [PMID: 26005854] (Human)





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### **Products Related to NBC1-18424**

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NBP2-59665-20ug	Recombinant Mouse Cyclophilin B His Protein
NB600-408-0.1mg	Collagen I Antibody
NBP1-85358	Cyclophilin B Antibody
AF972	EMMPRIN/CD147 Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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