

# Product Datasheet

## Recombinant Human Cyclophilin A His Protein NBC1-18425

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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**NBC1-18425**

## Recombinant Human Cyclophilin A His Protein

**Product Information**

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

**Product Description**

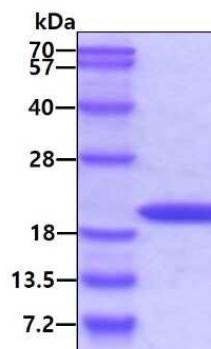
<b>Description</b>	A recombinant protein with a His-tag corresponding to the amino acids 1-165 of Human Cyclophilin A
	<b>Source:</b> <i>E.coli</i>
	<b>Amino Acid Sequence:</b> MGSSHHHHHH SSGLVPRGSH MVNPTVFFDI AVDGEPLGRV SFELFADKVP KTAENFRALS TGEKGFGYKG SCFHRIIPGF MCQGGDFTRH NGTGGKSIYG EKFEDENFIL KHTGPGILSM ANAGPNTNGS QFFICTAKTE WLDGKHVVFG KVKEGMNIVE AMERFGSRNG KTSKKITIAD CGQLE
<b>Gene ID</b>	5478
<b>Gene Symbol</b>	PPIA
<b>Species</b>	Human
<b>Details of Functionality</b>	Specific activity is > 650 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.
<b>Endotoxin Note</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)

**Product Application Details**

<b>Applications</b>	SDS-Page, Enzyme Activity
<b>Recommended Dilutions</b>	SDS-Page, Enzyme Activity

**Images**

SDS-Page: Recombinant Human Cyclophilin A His Protein [NBC1-18425] - 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain



## Publications

Kaplan AR, Olson R, Alexandrescu AT Protein yoga: Conformational versatility of the Hemolysin II C-terminal domain detailed by NMR structures for multiple states Protein science : a publication of the Protein Society 2021-03-17 [PMID: 33733504]



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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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