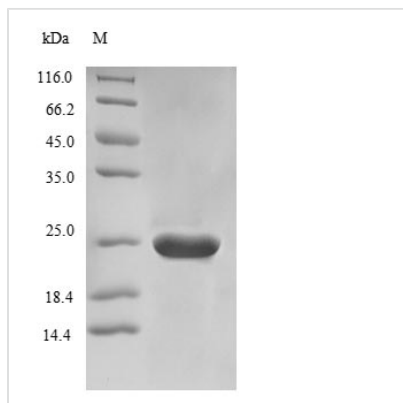




# Recombinant *Saccharomyces cerevisiae* Nicotinamidase (PNC1)

<b>Product Code</b>	CSB-EP346834SVGe1
<b>Relevance</b>	Catalyzes the deamidation of nicotinamide, an early step in the NAD <sup>+</sup> salvage pathway. Positively regulates SIR2-mediated silencing and longevity by preventing the accumulation of intracellular nicotinamide, an inhibitor of SIR2, during times of stress. Acts also on nicotinyl hydroxamate.
<b>Abbreviation</b>	Recombinant <i>Saccharomyces cerevisiae</i> PNC1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P53184
<b>Alias</b>	Nicotinamide deamidase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MKTLIVVDMQND FISPLGSLTVPKGEELINPISDLMQDADRDWHRIVVTRDWHP SRHISFAKNHKDKPEYSTYTYHSPRPGDDSTQEGILWPVHCVKNTWGSQ LVD QIMDQVVTKHIKIVDKGFLTDREYYSAFHDIWNFHK TDMNKYLEKHHTDEVYIV GVALEYCVKATAISAAELGYKTTVLLDYTRPISDDPEVINKVKEELKAHNINVVD K
<b>Research Area</b>	Microbiology
<b>Source</b>	E.coli
<b>Target Names</b>	PNC1
<b>Expression Region</b>	1-216aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	25.0kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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