

## Recombinant *Saccharomyces Cerevisiae* YNK1 Protein (1-153 aa), His-SUMO-Myc-tagged

### SPECIFICATION

<b>Cat.No.</b>	YNK1-2448S
<b>Species</b>	<i>Saccharomyces cerevisiae</i>
<b>Product Name</b>	Recombinant <i>Saccharomyces Cerevisiae</i> YNK1 Protein (1-153 aa), His-SUMO-Myc-tagged
<b>Product Overview</b>	Recombinant <i>Saccharomyces Cerevisiae</i> (strain ATCC 204508/S288c) (Baker's yeast) YNK1 Protein (1-153 aa) is produced by <i>E. coli</i> expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.
<b>Description</b>	Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Required for repair of UV radiation- and etoposide-induced DNA damage.
<b>Source</b>	<i>E. coli</i>
<b>Tag</b>	His/SUMO/Myc
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	37.2 kDa
<b>AA Sequence</b>	MSSQTERTFIAVKPDGVQRGLVSQLSRFEKKGYKLVAIKLVKADDKLLEQHAEHVG KPFPPKMVSFMKSGPILATVWEGKDVVRQGRITILGATNPLGSAPGTIRGDFGIDLGRN VCHGSDSVDSAEREINLWFKKEELVDWESNQAKWIYE
<b>Purity</b>	> 85% as determined by SDS-PAGE.
<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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Synonyms</b>	YNK1;

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<b>UniProt ID</b>	<a href="#">P36010</a>
<b>Protein length</b>	1-153 aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Concentration</b>	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.
<b>Sequence</b>	MSSQTERTFIAVKPDGVQRGLVSQILSRFEKKGYKLVAIKLVKADDKLLEQHAEHVG KPFPPKMVSFMKSGPILATVWEGKDVVRQGRITILGATNPLGSAPGTIRGDFGIDLGRN VCHGSDSVDSAEREINLWFKKEELVDWESNQAKWIYE