

## Recombinant Human TNKS Protein, His-tagged

**Cat. No.** TNKS-459H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNKS Protein (Gly1105-Thr1327) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly1105-Thr1327
<b>Description</b>	Enables histone binding activity; pentosyltransferase activity; and zinc ion binding activity. Involved in several processes, including negative regulation of maintenance of mitotic sister chromatid cohesion, telomeric; protein ADP-ribosylation; and regulation of nucleobase-containing compound metabolic process. Acts upstream of or within peptidyl-serine phosphorylation; peptidyl-threonine phosphorylation; and protein ADP-ribosylation. Located in several cellular components, including chromosome, telomeric region; mitotic spindle pole; and nucleus.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.7 kDa Accurate Molecular Mass: 32 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	TNKS tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase [ Homo sapiens (human) ]
<b>Official Symbol</b>	TNKS
<b>Synonyms</b>	TNKS; tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase; tankyrase-1; PARP 5a; PARP5A; pART5; TIN1; TINF1; TNKS1; TANK1; TNKS-1; tankyrase I; poly [ADP-ribose] polymerase 5A; TRF1-interacting ankyrin-related ADP-ribose polymerase; PARPL; PARP-5a
<b>Gene ID</b>	8658
<b>mRNA Refseq</b>	NM_003747
<b>Protein Refseq</b>	NP_003738

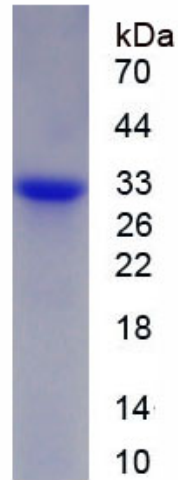
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