

Recombinant Human tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2 Protein, His tagged

Cat. No. TNKS2-033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNKS2 protein (Q9H2K2) (Gly 488-Leu 649) with a His tag at the C-terminus was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	488-649aa
Description	Poly-ADP-ribosyltransferase involved in various processes such as Wnt signaling pathway, telomere length and vesicle trafficking. Acts as an activator of the Wnt signaling pathway by mediating poly-ADP-ribosylation of AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex: poly-ADP-ribosylated target proteins are recognized by RNF146, which mediates their ubiquitination and subsequent degradation. Also mediates poly-ADP-ribosylation of BLZF1 and CASC3, followed by recruitment of RNF146 and subsequent ubiquitination. Mediates poly-ADP-ribosylation of TERF1, thereby contributing to the regulation of telomere length. Stimulates 26S proteasome activity.
Tag	C-His
Molecular Mass	19.3 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 µg/mL in sterile water.
GENE INFORMATION	
Gene Name	TNKS2 tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2 [Homo sapiens (human)]
Official Symbol	TNKS2
Synonyms	TNKS2; tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2; tankyrase-2; PARP 5b; PARP 5c; PARP5B; PARP5C; pART6; TANK2; TNKL; TNKS-2; tankyrase 2; tankyrase II; tankyrase-like protein; tankyrase-related protein; poly [ADP-ribose] polymerase 5B; TRF1-interacting ankyrin-related ADP-ribose polymerase 2; PARP-5b; PARP-5c;
Gene ID	80351
mRNA Refseq	NM_025235
Protein Refseq	NP_079511
MIM	607128

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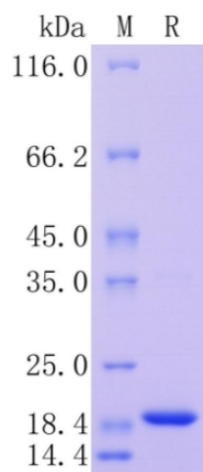
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UniProt ID

Q9H2K2

**Protein on SDS-
PAGE under
reducing (R)
condition.**



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