

Active Recombinant Human TNK1 Protein (1-510aa), N-GST tagged

Cat. No. TNK1-702H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant human TNK1 protein (1-510) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-510 a.a.
Description	The protein encoded by this gene belongs to the tyrosine protein kinase family. Tyrosine protein kinases are important regulators of intracellular signal transduction pathways, mediating cellular proliferation, survival, and development. This gene is highly expressed in fetal tissues and at lower levels in few adult tissues, thus may function in signaling pathways utilized broadly during fetal development, and more selectively in adult tissues. It plays a negative regulatory role in the Ras-Raf1-MAPK pathway, and knockout mice have been shown to develop spontaneous tumors, suggesting a role as a tumor suppressor gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Bio-activity	The specific activity of TNK1 was determined to be 14 nmol/min/mg as per activity assay protocol.
Molecular Mass	~85 kDa

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Purity	> 75%
Stability	One year at -70 centigrade from date of shipment
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05 µg/µL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Shipping	Shipped on dry ice

GENE INFORMATION

Gene Name	TNK1 tyrosine kinase non receptor 1 [Homo sapiens (human)]
Official Symbol	TNK1
Synonyms	TNK1; tyrosine kinase non receptor 1; KOS1; non-receptor tyrosine-protein kinase TNK1; CD38 negative kinase 1; EC 2.7.10.2
Gene ID	8711
mRNA Refseq	NM_003985
Protein Refseq	NP_003976
MIM	608076

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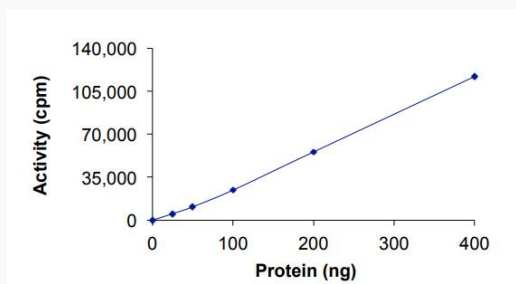
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UniProt ID

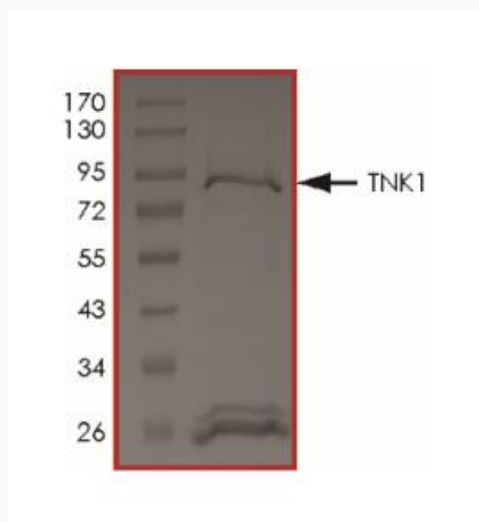
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Specific Activity



14 nmol/min/mg

Purity



The purity of TNK1 was determined to be > 75% by densitometry. TNK1 Approx. MW 85kDa.

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