

Recombinant Human TNK1 Protein (Full Length), N-His tagged

Cat. No. TNK1-11H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human tyrosine kinase, non-receptor, 1 (TNK1), full length, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length
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.
Molecular Mass	71.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Applications	Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	> 50 µg/mL as determined by microplate BCA method
Storage Buffer	50 mM Tris-HCl, pH 8.0, 8 M urea

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
UniProt ID	Q13470

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SDS-PAGE

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