

Recombinant Human TNIK

Cat. No. TNIK-31580TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human TNIK (amino acids 1-367) with N-terminal proprietary tag, 67kDa inclusive of tag.
Species	Human
Source	Sf9 Cells
ProteinLength	367 amino acids
Description	Germinal center kinases (GCKs), such as TNIK, are characterized by an N-terminal kinase domain and a C-terminal GCK domain that serves a regulatory function (Fu et al.
Molecular Weight	67.000kDa inclusive of tags
Tissue specificity	Expressed ubiquitously. Highest levels observed in heart, brain and skeletal muscle. Expressed in normal colonic epithelia and colorectal cancer tissues.
Biological activity	TNIK-31580TH specific activity determined to be 68 nmol/min/mg.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 7.50 Constituents: 0.79% Tris HCl, 0.88% Sodium chloride, 25% Glycerol, 0.31%

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	Glutathione, 0.003% EDTA, 0.002% PMSF, 0.003% DTT
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.Contains 1 CNH domain.Contains 1 protein kinase domain.
GENE INFORMATION	
Gene Name	TNIK TRAF2 and NCK interacting kinase [Homo sapiens]
Official Symbol	TNIK
Synonyms	TNIK; TRAF2 and NCK interacting kinase; TRAF2 and NCK-interacting protein kinase; KIAA0551;
Gene ID	23043
mRNA Refseq	NM_001161560
Protein Refseq	NP_001155032
MIM	610005
Uniprot ID	Q9UKE5
Chromosome Location	3q26.31
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; TNF receptor signaling pathway, organism-specific

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biosystem;

Function

ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity;

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