

Recombinant Human TNIK Protein (D11-G314), His tagged

Cat. No. TNIK-1072H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-TEV-TNIK(D11-G314) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	D11-G314
Description	Serine/threonine kinase that acts as an essential activator of the Wnt signaling pathway. Recruited to promoters of Wnt target genes and required to activate their expression. May act by phosphorylating TCF4/TCF7L2. Appears to act upstream of the JUN N-terminal pathway. May play a role in the response to environmental stress. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it may play a role in cytoskeletal rearrangements and regulate cell spreading. Phosphorylates SMAD1 on Thr-322.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	TNIK TRAF2 and NCK interacting kinase [Homo sapiens (human)]
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

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