

Recombinant Human TNIK protein, GST-tagged

Cat. No. TNIK-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNIK(1 a.a. - 538 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 538 a.a.
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., 1999 [PubMed 10521462]).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	86.7 kDa
AA Sequence	MKKVTDYSSSSSEESSESEEEEEEDGESETHDGTVAVSDIPRLIPTGAPGSNEQYNVG MVGTHGLETSHADSFSGSISREGTLMIRETSGEKKRSGHSDSNGFAGHINLPDLVQ QSHSPAGTPTEGLGRVSTHSQEMDSGTEYGMGSSTKASFTPFVDPRVYQTSPDE DEEDEESSATALFTSELLRQEQAQLNEARKISVVNVNPTNIRPHSDTPEIRKYKKRFN SEILCAALWGVNLLVGTENGLMLLDRSGQGKVYNLINRRRFQQMDVLEGLNVLVTIS GKKNKLRVYYLSWLRNRILHNDPEVEKKQGWITVGDLEGCIHYKVVKYERIKFLVIAL KNAVEIYAWAPKPYHKFMAFKSFADLQHKPLLVDLTVEEGQRLKVIFGSHTGFHVID VDSGNSYDIYIPSHIQGNITPHAIVILPKTDGMEMLVCYEDEGVYVNTYGRITKDVLQ

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WGEMPTSVAYIHSNQIMGWGEKAIEIRSVETGHLDGVMHKRAQRLKFLCERNDKV
FFASVRSGGSSQVFFMTLNRNSMMNW

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

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Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; TNF receptor signaling pathway, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity;

