

Recombinant Human TNK2

Cat. No. TNK2-26295TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 110-476 of Human ACK1 with N-terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system, 66kDa.
Species	Human
ProteinLength	110-476 a.a.
Description	This gene encodes a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.
Biological activity	The Specific activity of TNK2-26295TH was determined to be 20 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

 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

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GENE INFORMATION

Gene Name	TNK2 tyrosine kinase, non-receptor, 2 [Homo sapiens]
Official Symbol	TNK2
Synonyms	TNK2; tyrosine kinase, non-receptor, 2; activated CDC42 kinase 1; ACK; ACK1; activated Cdc42 associated kinase 1; p21cdc42Hs;
Gene ID	10188
mRNA Refseq	NM_001010938
Protein Refseq	NP_001010938
MIM	606994
Uniprot ID	Q07912
Chromosome Location	3q29
Pathway	CDC42 signaling events, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; G13 Signaling Pathway, organism-specific biosystem;
Function	ATP binding; GTPase inhibitor activity; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding;

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