

Recombinant Human TNK2

Cat. No. TNK2-26475TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: 110-476Human ACK1 with N terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system, 68 kDa.
Species	Human
ProteinLength	110-476 a.a.
Description	<p>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.</p>
Biological activity	Specific Activity: 88 pmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids 110-476

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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