

Recombinant Human TNK2 Protein, His-tagged

Cat. No. TNK2-458H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNK2 Protein (Leu126-Leu385) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu126-Leu385
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.5 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%

 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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TNK2 tyrosine kinase, non-receptor, 2 [Homo sapiens (human)]
Official Symbol	TNK2
Synonyms	TNK2; tyrosine kinase, non-receptor, 2; activated CDC42 kinase 1; ACK; ACK1; activated Cdc42 associated kinase 1; p21cdc42Hs; activated p21cdc42Hs kinase; activated Cdc42-associated kinase 1; tyrosine kinase non-receptor protein 2; ACK-1; FLJ44758; FLJ45547
Gene ID	10188
mRNA Refseq	NM_001010938
Protein Refseq	NP_001010938

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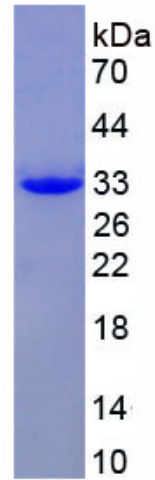
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MIM 606994

UniProt ID Q07912



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