

Recombinant Human Tyrosine Kinase, Non-receptor, 2, GST-tagged, Active

Cat. No. ACK-234H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ACK (110-476) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal GST tag. MW=66 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	110-476 a.a.
Description	ACK is 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. Overexpression of ACK in cancer cell lines of epithelial origin increases cellular motility and invasiveness. In a mouse model, ACK overexpression enhances the ability of a human breast cancer cell line to metastasize to the lung and increased mortality. Ligand stimulation of alpha-3 beta-1 integrin leads to activation of ACK which then enhances p130CAS phosphorylation and activation of RAC.
Sequence	110-476.
Applications	Kinase Assay, Western Blot.
Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

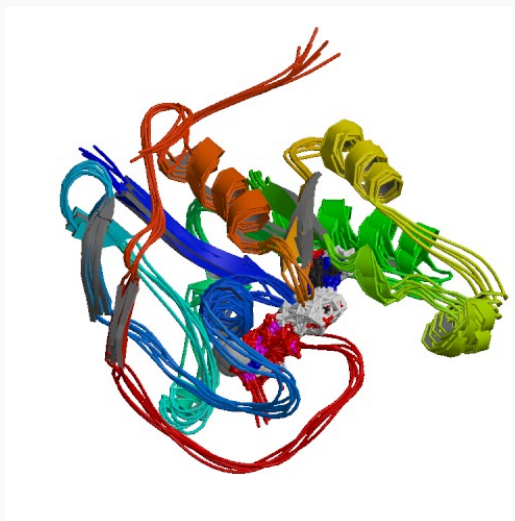
Gene Name	TNK2 tyrosine kinase, non-receptor, 2 [Homo sapiens]
Synonyms	TNK2; tyrosine kinase, non-receptor, 2; ACK; ACK1; FLJ44758; FLJ45547; p21cdc42Hs; activated p21cdc42Hs kinase; activated Cdc42-associated kinase 1; EC 2.7.10.2
Gene ID	10188
mRNA Refseq	NM_001010938
Protein Refseq	NP_001010938
MIM	606994
UniProt ID	Q07912
Chromosome Location	3q29
Function	ATP binding; GTPase inhibitor activity; non-membrane spanning protein tyrosine kinase activity; magnesium ion binding; protein binding; transferase activity

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on 1cf4.



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