

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/s using an N-terminal GST tag. MW=66 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	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

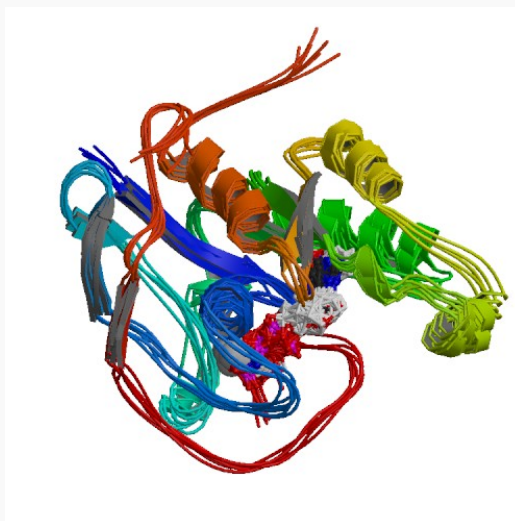
Gene Name	TNK2 tyrosine kinase, non-receptor, 2 [Homo sapiens]
Synonyms	TNK2; tyrosine kinase, non-receptor, 2; ACK; ACK1; FLJ44758; FLJ45547; p21cdc42Hs; activated p21cdc42Hs kinase; activated Cdc42-associated kinase 1; EC 2.7.10.2
Gene ID	10188
mRNA Refseq	NM_001010938
Protein Refseq	NP_001010938
MIM	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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