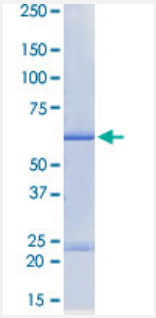
Bioactive

TNK2 (Human) Recombinant Protein

Catalog # P5763 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human TNK2 (NP_005772.3, 110 a.a. - 476 a.a.) partial recombinant protein with GST tag expresse d in Baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	69
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	63 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000. Substrate : WASP peptide. ATP: 100 μM.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — TNK2

Entrez GeneID	10188
Protein Accession#	NP_005772.3
Gene Name	TNK2
Gene Alias	ACK, ACK1, FLJ44758, FLJ45547, p21cdc42Hs
Gene Description	tyrosine kinase, non-receptor, 2
Omim ID	606994
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	activated Cdc42-associated kinase 1|activated p21cdc42Hs kinase