
Recombinant Human TNIK Protein, N-His

Catalog Number: bs-105510P

Species: Human

AA Seq: 1038-1360/1360

Predicted MW: 39.68 kDa

Tags: N-His

Activity: Not tested

Purity: >90% as determined by SDS-PAGE.

Purification: AC

Form: Lyophilized

Storage: Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.

Background: TNIK is a MSN protein kinase that interacts with both TNF receptor-associated factor 2 (TRAF2) and the adapter protein NCK. The protein has been shown to activate the c-Jun N-terminal kinase pathway when over expressed in Phoenix-A cells. TNIK has been shown to phosphorylate gelsolin, the principal intracellular and extracellular actin-severing protein, in vitro. This and evidence from mutational studies suggest that TNIK functions in the regulation of the cytoskeleton. Northern analysis indicates TNIK expression in human heart, skeletal muscle, and brain, with lower levels of expression in kidney, liver, lung, and pancreas. ESTs have been isolated from human tissue libraries, including normal amnion, gallbladder and skin.