
Recombinant Human NEK2 Protein, N-His

Catalog Number: bs-105599P

Species: Human

AA Seq: 1-271/445

Predicted MW: 33.71 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: Protein kinase that is involved in mitotic regulation. Integral component of the mitotic spindle-assembly checkpoint which is necessary for proper chromosome segregation during metaphase-anaphase transition. Required for association of MAD2L1 to kinetochore. Phosphorylates SGOL1. May have a role at the G2-M transition. May also play a role in meiosis. Isoform 1 but not isoform 2 appears to play a role in centrosome splitting. Isoform 1 phosphorylates and activates NEK11 in G1/S-arrested cells. Isoform 2, which is not present in the nucleolus, does not.