Human PLK1 / PLK-1 Protein (His Tag)

Catalog Number: 10676-H07B

General Information

Gene Name Synonym:
PLK; STPK13

Protein Construction:
A DNA sequence encoding the human PLK1 (NP_005021.2) (Met 1-Ser 603) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Bio Activity:
The specific activity was determined to be >3 nmol/min/mg using casein as substrate.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: His

Molecular Mass:
The recombinant human PLK1 consists of 621 amino acids and predicts a molecular mass of 70.5 kDa. It migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions.

Formulation:
Supplied as sterile 50mM Tris, 100mM NaCl, pH 7.4, 0.5mM EDTA, 0.5mM EGTA, 0.5mM PMSF, 25% glycerol

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References