

Human MAP4K1/HPK1, N-Twin Strep, C-His, Flag Tag Protein

HA210723



Product name:	Human MAP4K1/HPK1, N-Twin Strep, C-His, Flag Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human MAP4K1/HPK1 protein (Q92918) (Ser 324-Ser 457) was expressed with a Twin strep tag at the N-terminus and both His, Flag tag at the C-terminus.
Background:	Enables ATP binding activity and MAP kinase kinase kinase activity. Involved in several processes, including JNK cascade; cellular response to phorbol 13-acetate 12-myristate; and protein phosphorylation. Located in membrane. Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate 5. Together with CLNK, it enhances CD3-triggered activation of T-cells and subsequent IL2 production.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	Less than 1.0 EU per µg by the LAL method.
Fragment region:	MAP4K1/HPK1 (324-457)
Source:	E.coli
Accession:	Q92918
Predicted molecular mass:	21 kD
Formulation:	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution:	Reconstitute at 250 µg/ml in sterile water.
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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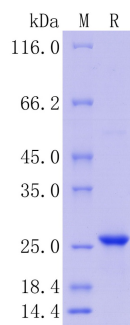


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".