www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

VRK3 Human

Catalog #:PRPS-1137

For research use only.

Description:VRK3 Human Recombinant produced in E. coli is a single polypeptide chain containing 497 amino acids (1-474) and having a molecular mass of 55.3 kDa.VRK3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Serine/threonine-protein pseudokinase VRK3, vaccinia related kinase 3, inactive serine/threonine-protein kinase VRK3.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMISFCPD CGKSIQAAFK FCPYCGNSLP VEEHVGSQTF VNPHVSSFQG SKRGLNSSFE TSPKKVKWSS TVTSPRLSLF SDGDSSESED TLSSSERSKG SGSRPPTPKS SPQKTRKSPQ VTRGSPQKTS CSPQKTRQSP QTLKRSRVTT SLEALPTGTV LTDKSGRQWK LKSFQTRDNQ GILYEAAPTS TLTCDSGPQK QKFSLKLDAK DG

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:
The VRK3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
VRK3 is a member of the protein kinase superfamily. The VRK3 gene has replacements at a number of residues within the ATP binding motifs which in other kinases were proved to be required for catalysis in both human and mouse. In vitro assays show that VRK3 has no phosphorylation activity but probably holds its substrate binding capability. VRK3 is universally expressed in human tissues and its protein is restricts to the nucleus.

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