32-5237: Recombinant Human Vaccinia Related Kinase 3

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

Description

Source : E.coli. 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. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The VRK3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMISFCPD CGKSIQAAFK FCPYCGNSLP VEEHVGSQTF VNPHVSSFQG SKRGLNSSFE TSPKKVKWSS TVTSPRLSLF SDGDSSESED TLSSSERSKG SGSRPPTPKS SPQKTRKSPQ VTRGSPQKTS CSPQKTRQSP QTLKRSRVTT SLEALPTGTV LTDKSGRQWK LKSFQTRDNQ GILYEAAPTS TLTCDSGPQK QKFSLKLDAK DGRLFNEQNF FQRAAKPLQV NKWKKLYSTP LLAIPTCMGF GVHQDKYRFL VLPSLGRSLQ SALDVSPKHV LSERSVLQVA CRLLDALEFL HENEYVHGNV TAENIFVDPE DQSQVTLAGY GFAFRYCPSG KHVAYVEGSR SPHEGDLEFI SMDLHKGCGP SRRSDLQSLG YCMLKWLYGF LPWTNCLPNT EDIMKQKQKF VDKPGPFVGP CGHWIRPSET LQKYLKVVMA LTYEEKPPYA MLRNNLEALL QDLRVSPYDP IGLPMVP