9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VRK3 Human

Vaccinia Related Kinase 3 Human Recombinant
RCP2563

Product Overview

Name	VRK3 Human
Description	
Vaccinia Related Kinase 3 Human Recombinant	
Accession (Primary)	Q8IV63
Synonyms	
Serine/threonine-protein pseudokinase VRK3, vaccinia related kinase 3, inactive serine/threonine-protein kinase VRK3.	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MISFCPD 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	

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VLPSLGRSLQ SALDVSPKHV LSERSVLQVA CRLLDALEFL HENEYVHGNV TAENIFVDPE DQSQVTLAGY GFAFRYCPSG KHVAYVEGSR SPHEGDLEFI SMDLHKGCGP SRRSDLQSLG YCMLKWLYGF LPWTNCLPNT EDIMKQKQKF VDKPGPFVGP CGHWIRPSET LQKYLKVVMA LTYEEKPPYA MLRNNLEALL QDLRVSPYDP IGLPMVP

Precautions

VRK3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8IV63)