
Product Data Sheet

Product Name: VRK3 Human
 Cat. No.: GP25000
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serine/threonine-protein pseudokinase VRK3; vaccinia related kinase 3; inactive serine/threonine-protein kinase VRK3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMISFCPD CGKSIQAAFK FCPYCGNSLP VEEHVGSQTF VNPVSSFQG SKRGLNSSFE TSPKKVKWSS TVTSPRLSLF SDGDSSSEED TLSSSERSKG SGSRPPTPKS SPQKTRKSPQ VTRGSPQKTS CSPQKTRQSP QTLKRSRVTT SLEALPTGTV LTDKSGRQWK LKSFQTRDNQ GILYEAAPTS TLTCDSGPQK QKFSCLKDAK DGRLFNEQNF FQRAAKPLQV NKWKKLYSTP LLAIPTCMGF GVHQDKYRFL VLPSLGRSLQ SALDVSPKHV LSERSVLQVA CRLLDALEFL HENEYVHGNV TAENIFVDPE DQSQVTLAGY GFAPRYCPSG KHVAYVEGSR SPHEGDLEFI SMDLHKGCGP SRRSDLQSLG YCMLKWLYGF LPWTNCLPNT EDIMKQKQKF VDKPGPFVGP CGHWIRPSET LQKYLKVVMA LTYEEKPPYA MLRNNLEALL QDLRVSPYDP IGLPMVP		
Formulation	The VRK3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% glycerol.		

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 restricted to the nucleus.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA