

Product datasheet for TP324292

VRK3 (NM_016440) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human vaccinia related kinase 3 (VRK3), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC224292 protein sequence
Red=Cloning site Green=Tags(s)

MISFCPDCGKSIQAAFKFCPYCGNSLPVEEHVGSQTFVNPVHVSFQGSKRGLNSSFETSPKKVKSSTVT
SPRLSLFSDGDSSSEEDTLSSSERSKSGSRPPTPKSSPQKTRKSPQVTRGSPQKTS CSPQKTRQSPQTL
KRSRVTTSLALPTGTVLTDKSGRQWKLKSFQTRDNQGILYEAAPTSTLTCDSGPQKQKFSCLKLDAKDGR
LFNEQNFFQRAAKPLQV NKWKLYSTPLLA IPTCMGFGVHQDKYRFLVLP SLGRSLQSALDVSPKHV LSE
RSVLQVACRLLDALEFLHENEYVHGNVTAENIFVDPEDQSQVTLAGYGFAFRYCPSPGKHVAYVEGSRSPH
EGDLEFISMDLHKGCGPSRRSDLQSLGYCMLKWLYGFLPWTNCLPNTEDIMKQKQKFVDKPGPFVGP CGH
WIRPSETLQKYLKVV MALTYEEKPPYAML RNNLEALLQDLRVSPYDPIGLPMVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 52.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_057524](#)



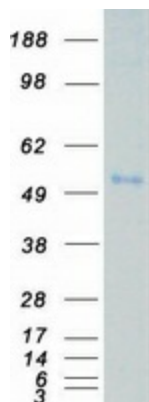
[View online »](#)

Locus ID: 51231
UniProt ID: [Q8IV63](#), [A0A024QZ14](#)
RefSeq Size: 2129
Cytogenetics: 19q13.33
RefSeq ORF: 1422

Summary: This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. In both human and mouse, this gene has substitutions at several residues within the ATP binding motifs that in other kinases have been shown to be required for catalysis. In vitro assays indicate the protein lacks phosphorylation activity. The protein, however, likely retains its substrate binding capability. This gene is widely expressed in human tissues and its protein localizes to the nucleus. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified VRK3 protein (Cat# TP324292). The protein was produced from HEK293T cells transfected with VRK3 cDNA clone (Cat# [RC224292]) using MegaTran 2.0 (Cat# [TT210002]).