

Recombinant Human VRK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VRK3-3634H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VRK3 MS Standard C13 and N15-labeled recombinant protein (NP_057524) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	52.9 kDa
AA Sequence	MISFCPDCGKSIQA AFKFCPYCGNSLPVEEHVGSQTFVNPHVSSFQGSKRGLNSSF ETSPKKVKWSSTVTSPRLSLFSDGDSSSEDLSSSERSKSGSRPPTPKSSPQKT RKSPQVTRGSPQKTSCSPQKTRQSPQTLKRSRVTTSLALPTGTVLTDKSGRQWKL KSFQTRDNQGILYEAAPTSTLTCDSGPQKQKFSCLKDAKDGRLENEQNFFQRAAKP LQVNKWKKLYSTPLLAIPTCMGFGVHQDKYRFLVPSLGRSLQSALDVSPKHVLSER

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SVLQVACRLLDALEFLHENEYVHGNVTAENIFVDPEDQSQVTLAGYGFAFRYCPSG
KHVAYVEGSRSPHEGDLEFISMDLHKGCGPSRRSDLQSLGYCMLKWLYGFLPWTN
CLPNTEDIMKQKQKFVDKPGPFVGPCGHWIRPSETLQKYLKVVMAITYEEKPPYAM
LRNNLEALLQDLRVSPYDPIGLPMVPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name VRK3 vaccinia related kinase 3 [Homo sapiens (human)]

Official Symbol VRK3

Synonyms VRK3; vaccinia related kinase 3; inactive serine/threonine-protein kinase VRK3; vaccinia-related kinase 3; serine/threonine-protein kinase VRK3; serine/threonine-protein pseudokinase VRK3;

Gene ID 51231

mRNA Refseq NM_016440

Protein Refseq NP_057524

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UniProt ID

Q8IV63

SDS-PAGE

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