Recombinant Human VRK3 protein, His-tagged

Cat. No. VRK3-3010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VRK3 fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	Inactive serine/threonine-protein kinase VRK3 is a 474 amino acids protein that belongs to the protein kinase superfamily, CK1 Ser/Thr protein kinase family and VRK subfamily. It contains a protein kinase domain. VRK3 is widely expressed in human tissues and the protein localizes to the nucleus. VRK3 regulates several transcription factors, nuclear envelope assembly, and chromatin condensation and is also required for cell cycle progression.
Form	Supplied as a 0.2 μm filtered solution of 20mM PB,150mM NaCl,pH7.4.
AA Sequence	MISFCPDCGKSIQAAFKFCPYCGNSLPVEEHVGSQTFVNPHVSSFQGSKRGLNSSF ETSPKKVKW SSTVTSPRLSLFSDGDSSESEDTLSSSERSKGSGSRPPTPKSSPQKT RKSPQVTRGSPQKTSCSP QKTRQSPQTLKRSRVTTSLEALPTGTVLTDKSGRQWK LKSFQTRDNQGILYEAAPTSTLTCDSGP QKQKFSLKLDAKDGRLFNEQNFFQRAAK PLQVNKWKKLYSTPLLAIPTCMGFGVHQDKYRFLVLP SLGRSLQSALDVSPKHVLS ERSVLQVACRLLDALEFLHENEYVHGNVTAENIFVDPEDQSQVTLA GYGFAFRYCP SGKHVAYVEGSRSPHEGDLEFISMDLHKGCGPSRRSDLQSLGYCMLKWLYGFLPW TNCLPNTEDIMKQKQKLPWDSFVDHHHHHH

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at< -20 centigrade, stable for 6 months after receipt.Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	VRK3 vaccinia related kinase 3 [Homo sapiens]
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_001025778
Protein Refseq	NP_001020949
MIM	
UniProt ID	Q8IV63
Chromosome Location	19q13.33
Function	ATP binding; nucleotide binding; protein kinase activity; protein phosphatase binding; transferase activity, transferring phosphorus-containing groups;

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