

VRK3, 1-474aa, Human, His tag, E.coli

Cat.NO.: TP04487

3th Edition

Synonyms:Inactive serine/threonine-protein kinase VRK3, Vaccinia related kinase 3

Description:VRK3, also known as inactive serine/threonine-protein kinase, belongs to the protein kinase superfamily. 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. VRK3 is widely expressed in human tissues and its protein localizes to the nucleus. Recombinant human VRK3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

Molecular Weight:55.3 kDa (497aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMISFCPCGKSIQAAFKFCPYCGNSLPVEEHVGSQTFVNPHVSSFQGSKRG
LNSSFETSPKKVKWSSTVTSPRLSLFSDGDSSEEDTLSSERSKSGSRPPTPKSSPQKTRKSPQVTRGSPQKT
SCSPQKTRQSPQTLKRSRVTTSLALPTGTVLTDKSGRQWKLKSFQTRDNQGILYEAAPTSTLTCDSGPQKQKFSL
KLDKDGRLFNENFFQRAAKPLQVNWKKLYSTPLLAIPTCMGFGVHQDKYRFLVPLSLGRSLQSALDVSPKHVL
SERSVLQVACRLLDALEFLHENEYVHGNVTAENIFVDPEDQSQVTLAGYGFAPRYCPSGKHVAYVEGSRSPHEGD
LEFISMDLHKGCGPSRRSDLQSLGYCMLKWLYGFLPWTNCLPNTEDIMKQKQKFVDKPGPFVGPCHWIRPSETL
QKYLKVVMAITYEEKPPYAMLRNLEALLQDLRVSPYDPIGLPMVP

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.