

Serine/threonine-protein kinase VRK1 (Vrk1) Recombinant Protein | Vrk1 recombinant protein

Recombinant Mouse Serine/threonine-protein kinase VRK1 (Vrk1)

CATALOG # AAA116942	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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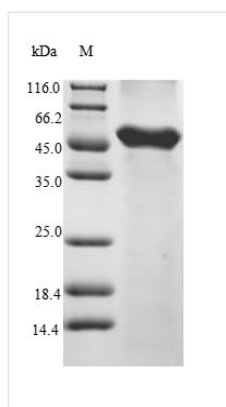
PRODUCT SYNONYMS

Serine/threonine-protein kinase VRK1 (Vrk1); Recombinant Mouse Serine/threonine-protein kinase VRK1 (Vrk1); Serine/threonine-protein kinase VRK1; EC=2.7.11.1; Serine/threonine-protein kinase 51PK; Vaccinia-related kinase 1; Vrk1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-440aa; Full Length
Sequence	MPRVKAAQAG RGPAPKRRRLA EQFAAGEVLT DMSRKEWKLG LPIGQGGFGC IYLADTNSSK PVGSDAPCVV KVEPSDNGPL FTELKFYQRA AKPEIQKWI RTHKLKYLGV PKYWGSGSLHD KNGKSYRFMI MDRFGSDLQK IYEANAKRFS RKTVLQLSLR ILDILEYIHE HEYVHGDIA SNLLSHKNP DQVYLVDYGL AYRYCPDGVH KEYKEDPKRC HDGTLEFTSI DAHKGVAPSR RGDLEILGYC MIQWLSGCLP WEDNLKDPNY VRDSKIRYRD NVAALMEKCF PEKNKPGEIA KYMESVKLLE YTEKPLYQNL RDILLQGLKA IGSKDDGKLD FSAVENGSVK TRPASKKRKK EAEESAVCAV EDMCSDTQV QEAAQTRSVE SQGAIHGSMQ QPAAGCSSSD SSRRQQHLGL EQDMLRLDRR GSRTTRKKAQK
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Vrk1 recombinant protein	Serine/threonine kinase involved in Golgi disassembly during the cell cycle: following phosphorylation by PLK3 during mitosis, required to induce Golgi fragmentation. Acts by mediating phosphorylation of downstream target protein. Phosphorylates 'Thr-18' of p53/TP53 and may thereby prevent the interaction between p53/TP53 and MDM2. Phosphorylates casein and histone H3. Phosphorylates BANF1: disrupts its ability to bind DNA, reduces its binding to LEM domain-containing proteins and causes its relocalization from the nucleus to the cytoplasm. Phosphorylates ATF2 which activates its transcriptional activity
Product Categories/Family for Vrk1 recombinant protein	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	71067122
NCBI GeneID	22367
NCBI Accession #	NP_001025014.1
NCBI GenBank Nucleotide #	NM_001029843.1
UniProt Accession #	Q80X41; O88635; O88636; Q8C2P7; Q91YH9
Molecular Weight	55.2 kDa
NCBI Official Full Name	serine/threonine-protein kinase VRK1 isoform b
NCBI Official Synonym Full Names	vaccinia related kinase 1
NCBI Official Symbol	Vrk1
NCBI Official Synonym Symbols	51PK
NCBI Protein Information	serine/threonine-protein kinase VRK1; vaccinia-related kinase 1; serine/threonine-protein kinase 51PK
UniProt Protein Name	Serine/threonine-protein kinase VRK1
UniProt Gene Name	Vrk1
UniProt Entry Name	VRK1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.