



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

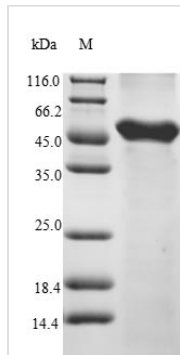
Product Code	CSB-EP768902MO
Relevance	Serine/threonine kinase involved in Golgi disassembly during the cell cycle: following phosphorylation by PLK3 during mitosis, required to induce Golgi fragmentation. Acts by mediating phosphorylation of downstream target protein. Phosphorylates 'Thr-18' of p53/TP53 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 relocation from the nucleus to the cytoplasm. Phosphorylates ATF2 which activates its transcriptional activity
Abbreviation	Recombinant Mouse Vrk1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q80X41
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MPRVKAAQAGRPGPAKRRLAEQFAAGEVLTDMSRKEWKLGLPIGQGGFGCIY LADTNSSKPVGSDAPCVVKVEPSDNGPLFTELKFYQRAAKPEQIQKWIRTHKL KYLGVPKYWGSGLHDKNGKSYRFMIMDRFGSDLQKIYEANAKRFSRKTVLQL SLRILDILEYIHEHEYVHGDIKASNLLSHKNPDQVYLVDYGLAYRYCPDGVHKE YKEDPKRCHDGTLEFTSIDAHKGVAPSRRGDLEILGYCMIQWLSGCLPWEDNL KDPNYVRDSKIRYRDNVAALMEKCFPEKNKPGEIAKYMESVKLLEYTEKPLYQ NLRDILLQGLKAIGSKDDGKLDFSAVENGSVKTRPASKKRKKEAEESAVCAVE DMECSDTQVQEAAQTRSVESQGAIHGSMSPQAAGCSSSDSSRRQQHLGLEQ DMLRLDRRGSRTTRKKAQK
Research Area	Cell Biology
Source	E.coli
Target Names	Vrk1
Protein Names	Serine/threonine-protein kinase 51PK Vaccinia-related kinase 1
Expression Region	1-440aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged and C-terminal Myc-tagged



Mol. Weight 55.2kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.