



Recombinant Human Serine/threonine-protein kinase VRK1 (VRK1)

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|--------------------------|---|
| Product Code | CSB-MP857466HU |
| Abbreviation | VRK1 |
| 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. | Q99986 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MPRVKAAQAG RQSSAKRHLA EQFAVGEIIT DMAKKEWKVG LPIGQGGFGC IYLADMNSSE SVGSDAPCVV KVEPSDNGPL FTELKFYQRA AKPEQIQKWI RTRKLKYLGV PKYWGSGLDH KNGKSYRFMI MDRFGSDLQK IYEANAKRFS RKTVLQLSLR ILDILEYIHE HEYVHGDIKA SNLLLNKPNP DQVYLVLDYGL AYRYCPEGVH KEYKEDPKRC HDGTIEFTSI DAHNGVAPSR RGDLEILGYC MIQWLTGHLP WEDNLKDPKY VRDSKIRYRE NIASLMDKCF PEKNKPGEIA KYMETVKLLD YTEKPLYENL RDILLQGLKA IGSKDDGKLD LSVVENGGLK AKTITKKRKK EIEESKEPGV EDTEWSNTQT EEAIQTRSRT RKRIVQK |
| Source | Mammalian cell |
| Target Names | VRK1 |
| Protein Names | Recommended name: Serine/threonine-protein kinase VRK1 EC= 2.7.11.1 Alternative name(s): Vaccinia-related kinase 1 |
| Expression Region | 1-396 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Target Details | This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. This gene is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, thymus, fetal liver, and carcinomas. Its protein localizes to the nucleus and has been shown to promote the stability and nuclear accumulation of a transcriptionally active p53 molecule and, in vitro, to phosphorylate Thr18 of p53 and reduce p53 ubiquitination. This gene, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN. |

**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

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