



# Recombinant Human Inactive serine/threonine-protein kinase VRK3 (VRK3)

<b>Product Code</b>	CSB-MP815552HU
<b>Abbreviation</b>	VRK3
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8IV63
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MISFCPDCGK SIQAAFKFCP YCGNSLPVEE HVGSQTFVNP HVSSFQGSKR GLNSSFETSP KVKWSSTVT SPRLSLFSDG DSSEEDTLS SSERSKSGSG RPPTPKSSPQ KTRKSPQVTR GSPQKTSCSP QKTRQSPQTL KRSRVTTSLE ALPTGTVLTD KSGRQWKLKS FQTRDNQGIL YEAAPTSTLT CDSGPQKQKF SLKLDKDGDR LFNEQNFFQR AAKPLQVNKW KKLSTPLLA IPTCMGFGVH QDKYRFLVLP SLGRSLQSAL DVSPKHLVSE RSVLQVACRL LDALEFLHEN EYVHGNVTAE NIFVDPEDQS QVTLAGYGFA FRYCPSGKHV AYVEGSRSPH EGDLEFISMD LHKGCGPSRR SDLQSLGYCM LKWLYGFLPW TNCLPNTEDI MKQKQKFVDK PGPFVGPCHG WIRPSETLQK YLKVVMALTY EEKPPYAMLR NNLEALLQDL RVSPYDPIGL PMVP
<b>Source</b>	Mammalian cell
<b>Target Names</b>	VRK3
<b>Protein Names</b>	Recommended name: Inactive serine/threonine-protein kinase VRK3 Alternative name(s): Serine/threonine-protein pseudokinase VRK3 Vaccinia-related kinase 3
<b>Expression Region</b>	1-474
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. 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. This gene is widely expressed in human tissues and its protein localizes to the nucleus. Alternative splicing results in multiple



transcripts encoding different isoforms.

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**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.

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