



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

Product Code	CSB-YP815552HU
Abbreviation	VRK3
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.	Q8IV63
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MISFCPDCGK SIQAAFKFCP YCGNSLPVEE HVGSQTFVNP HVSSFQGSKR GLNSSFETSP KVKWSSTVT SPRLSLFSDG DSSEEDTLS SSERSKSGSGS RPPTPKSSPQ KTRKSPQVTR GSPQKTSCSP QKTRQSPQTL KRSRVTTSLE ALPTGTVLTD KSGRQWKLKS FQTRDNQGIL YEAAPTSTLT CDSGPQKQKF SLKLDADKGR LFNEQNFFQR AAKPLQVNKW KKLSTPLLA IPTCMGFGVH QDKYRFLVLP SLGRSLQSAL DVSPKHLVSE RSVLQVACRL LDALEFLHEN EYVHGNVTAE NIFVDPEDQS QVTLAGYGFA FRYCPSGKHV AYVEGSRSPH EGDLEFISMD LHKGCGPSRR SDLQSLGYCM LKWLYGFLPW TNCLPNTEDI MKQKQKFVDK PGPFVGPCH WIRPSETLQK YLKVVMALTY EEKPPYAML NNLEALLQDL RVSPYDPIGL PMVP
Source	Yeast
Target Names	VRK3
Protein Names	Recommended name: Inactive serine/threonine-protein kinase VRK3 Alternative name(s): Serine/threonine-protein pseudokinase VRK3 Vaccinia-related kinase 3
Expression Region	1-474
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. 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.

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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