



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

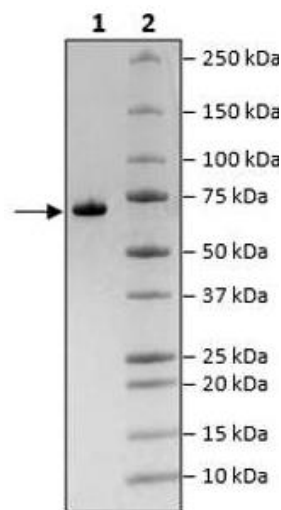
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Description:	Recombinant human full-length serine/threonine kinase VRK1 (vaccinia-related kinase), amino acids 2-396(end). This construct contains an N-terminal GST-tag followed by a thrombin cleavage site. The protein was affinity purified.
Background:	VRK1 (vaccinia-related kinase), is a member of the serine/threonine kinase family. It is found predominantly in dividing tissues, such as testis and thymus. It is a nuclear protein involved in gene regulation, DNA damage response, and cell proliferation through phosphorylation of histones, p53, and other transcription factors. Its roles in cell proliferation and DNA repair make it relevant for cancer survival and progression, and high levels of VRK1 have been found in breast and colon cancer, lung cancer, and gliomas. A reduction in VRK1 activity can thus provide benefits, and the combined use of VRK1 inhibitors and PARP inhibitors, such as an Olaparib, has been shown to contribute to synthetic lethality. The use of VRK1 inhibitors, alone or in combination therapy, may prove highly beneficial in cancer therapy.
Species	Human
Construct:	VRK1 (GST-Th-2-396e)
Concentration:	0.16 mg/ml
Expression System:	Sf9
Purity:	>90%
Format:	Aqueous buffer solution.
Formulated In:	40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 20% glycerol, and 3 mM DTT
MW:	72 kDa
Genbank Accession:	NM_003384
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	Assay was done according to Chemi-Verse™ VRK1 Kinase Assay Kit (#82230) with various amounts of VRK1, GST-Tag Recombinant.
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Specific Activity

