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

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PIP5K3, GST-Tag

Catalog: 101323

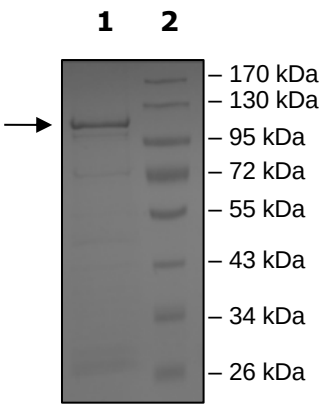
Lot: 211217

Product Information

Construct:	PIP5K3 (GST-1400-2098(end))
Concentration:	0.10 mg/ml
Species:	Human
Formulated In:	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol
Expression System:	Sf9
Format:	Aqueous buffer solution
Stability:	At least 6 months at -80°C. Avoid freeze/thaw cycles.
Storage:	-80°C
Genbank Accession:	NM_015040
MW:	110 kDa
Purity:	85%
Specific Activity:	110 pmol/min/µg
Assay Conditions:	PIP5K3 activity was measured using the ADP-Glo™ Kinase Assay kit (Promega; Cat# V9101) which quantifies the amount of ADP produced by phosphorylation. The ADP-Glo™ Reagent is added to terminate the reaction and quench the remaining ATP. The Kinase Detection Reagent is then added to convert ADP to ATP and to measure the newly converted ATP using a luciferase reaction. Assay: kinase activity was measured using a PIP3:PS substrate (250:2000 µM stock solution, sonicated for 1 min before use). The reaction was initiated by mixing Increasing amounts of the protein kinase with 50 µM ATP (final concentration) in 45 mM HEPES, pH 7.5, 40 mM NaCl, 1.6 mM $MgCl_2$, 0.5 mM EGTA, 20 µg/ml BSA, 40 µM fresh DTT, 0.03% Trition-X100 and PIP3:PS substrate (50:400 µM final). The reaction was terminated by addition of an equal volume of the ADP-Glo™ Reagent supplemented with 10mM $MgCl_2$, and the Kinase Detection Reagent was added. Phosphorylation was measured by detection of luminescence. The blank was determined from a “no kinase” sample.
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Control Data

4-20% SDS-Page Coomassie Staining



Specific Activity