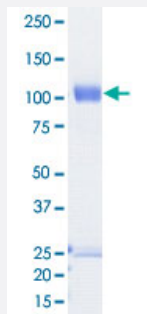


Bioactive

WNK1 (Human) Recombinant Protein

Catalog # P5662 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human WNK1 (NP_061852.1, 1 a.a. - 491 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	83 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay (MSA). The enzyme was incubated with fluorescence-labeled substrate and Mn/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device. Substrate: SPAKtide. ATP : 200 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol).
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — WNK1

Entrez GeneID	65125
Protein Accession#	NP_061852.1
Gene Name	WNK1
Gene Alias	KDP, KIAA0344, PHA2C, PRKWNK1, PSK
Gene Description	WNK lysine deficient protein kinase 1
Omim ID	145260 605232
Gene Ontology	Hyperlink
Gene Summary	The WNK1 gene encodes a cytoplasmic serine-threonine kinase expressed in distal nephron.[supplied by OMIM]
Other Designations	OTTHUMP00000115370 kinase deficient protein prostate-derived sterile 20-like kinase protein kinase, lysine deficient 1 serine/threonine-protein kinase WNK1

Disease

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