Bioactive　**Full-Length**

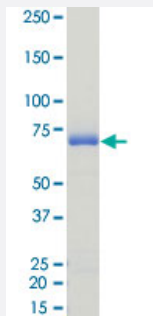# SGK2 (S356D) (Human) Recombinant Protein

Catalog #　P5749　　　Size　5 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human SGK2 (NP_733794.1, 1 a.a. - 367 a.a.) S356D mutant full length recombinant protein with GST tag co-expressed with His-tagged PDPK1 (NP_002604.1, 1 a.a. - 556 a.a.) full length recombinant protein in Baculovirus infected Sf21 cells.
Theoretical MW (kDa)	68
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	97 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000. Substrate : SGKtide. ATP: 100 µM.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 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 — SGK2

Entrez GeneID	10110
Protein Accession#	NP_733794.1
Gene Name	SGK2
Gene Alias	H-SGK2, dJ138B7.2
Gene Description	serum/glucocorticoid regulated kinase 2
Omim ID	607589
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a serine/threonine protein kinase. Although this gene product is similar to serum- and glucocorticoid-induced protein kinase (SGK), this gene is not induced by serum or glucocorticoids. This gene is induced in response to signals that activate phosphatidylinositol 3-kinase, which is also true for SGK. Two alternate transcripts encoding two different isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000031702|OTTHUMP00000031703|OTTHUMP00000031705