Bioactive

STK24 (Human) Recombinant Protein

Catalog # P6527 Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human STK24 (NP_001027467.2, 1 a.a. - 431 a.a.) partial recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.82
Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. Substrate: Moesin-derived peptide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study

Gene Info — STK24

Entrez GeneID	8428
Protein Accession#	NP_001027467.2
Gene Name	STK24
Gene Alias	MST-3, MST3, MST3B, STE20, STK3
Gene Description	serine/threonine kinase 24 (STE20 homolog, yeast)
Omim ID	604984
Gene Ontology	Hyperlink
Gene Summary	The yeast 'Sterile 20' gene (STE20) functions upstream of the mitogen-activated protein kinase (MAPK) cascade. In mammals, protein kinases related to STE20 can be divided into 2 subfamilie s based on their structure and regulation. Members of the PAK subfamily (see PAK3; MIM 30014 2) contain a C-terminal catalytic domain and an N-terminal regulatory domain that has a CDC42 (MIM 116952)-binding domain. In contrast, members of the GCK subfamily (see MAP4K2; MIM 60 3166), also called the Sps1 subfamily, have an N-terminal catalytic domain and a C-terminal regul atory domain without a CDC42-binding domain. STK24 belongs to the GCK subfamily of STE20-l ike kinases (Zhou et al., 2000 [PubMed 10644707]).[supplied by OMIM
Other Designations	OTTHUMP00000018592|OTTHUMP00000018593|STE20-like kinase 3|serine/threonine kinase 24|sterile 20-like kinase 3

Disease

- Bipolar Disorder
- Celiac Disease
- Genetic Predisposition to Disease
- Tobacco Use Disorder