



Recombinant Protein Technical Manual
Recombinant Human STK23/MSSK1/SRPK3 Protein
(His & GST Tag)
RPES3537

Product Data:

Product SKU: RPES3537

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: NP_001164231.1

Protein Information:

Molecular Mass: 89.7 kDa

AP Molecular Mass: 100 kDa

Tag: N-His & GST

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: MGC102944;MSSK;MSSK1;STK23

Immunogen Information:

Sequence: Met 1-Pro 566

Background:

Serine / threonine-protein kinase SRPK3, also known as Muscle-specific serine kinase 1, Serine/arginine-rich protein-specific kinase 3, SR-protein-specific kinase 3, Serine / threonine-protein kinase 23, MSK, SRPK3 and MSK1, is a member of the protein kinase superfamily and CMGC Ser / Thr protein kinase family. SRPK3 is a protein kinase belonging to serine/arginine protein kinases (SRPK) family, which phosphorylates serine / arginine repeat-containing proteins, and is controlled by a muscle-specific enhancer directly regulated by MEF2. SRPK3 / MSK1 contains one protein kinase domain. SRPK3 / MSK1 is exclusively expressed in skeletal and heart muscle. It is required for normal muscle development. Myocyte enhancer factor 2 (MEF2) plays essential roles in transcriptional control of muscle development. Normal muscle growth and homeostasis require MEF2-dependent signaling by SRPK3.