Recombinant Human BRSK1 Kinase

Catalog No.: RP03433LQ

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Sequence Information

Species
Human

Gene ID
84446

Swiss Prot
Q8TDC3

Tags
N-GST

Synonyms
BRSK1; KIAA1811; SAD1; SADB; Brain-selective kinase 1; Synapses of Amphids Defective homolog 1; Serine/threonine-protein kinase BRSK1

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
111.6 kDa

Observed MW
100-120 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 5% glycerol, 1 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

BR serine/threonine kinase 1 is an enzyme that in humans is encoded by the BRSK1 gene. BRSK1 is highly expressed in all specific adult brain regions followed by fetal brain and adult spinal cord. It is also expressed in adult heart, pancreas, testis, ovary, lung, and kidney, and in fetal liver. BRSK1 plays a role in regulating proper neuronal development and neurotransmitter release in mature neurons.

Basic Information

Description
Recombinant Human BRSK1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Pro778) of Human BRSK1 (Accession #Q8TDC3) fused with a N-GST tag.

Activity
The activity of BRSK1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

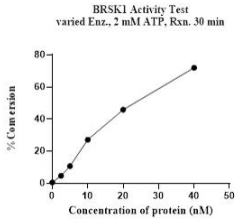
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

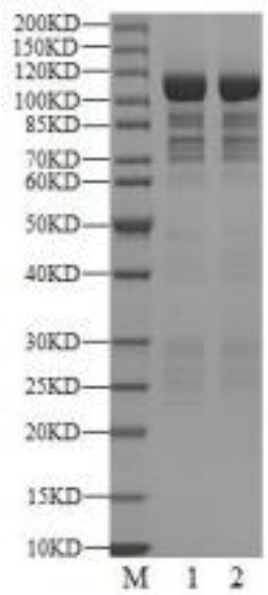
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The activity of BRSK1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human BRSK1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.