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Recombinant Human BRSK1 Kinase

Catalog No.: RP03433LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	84446	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	Purification
Baculovirus-Insect Cells	≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW	Observed MW
111.6 kDa	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.

Contact

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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.

Bio-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.

Storage
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.
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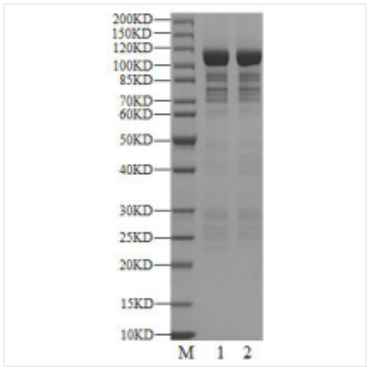
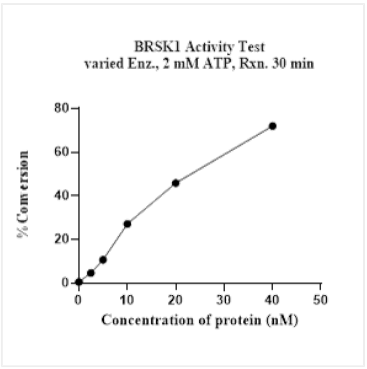
Validation Data



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



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