

Recombinant Human BR Serine/Threonine Kinase 1, GST-tagged

Cat. No. BRSK1-5370H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length BRSK1 with GST tag.
Species	Human
Source	Insect Cells
Description	BR serine/threoninekinase 1 is an enzyme that in humans is encoded by the BRSK1 gene.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl +0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT + 50%glycerol.
Concentration	0.33 mg/ml
MolecularWeight	112.5 kDa
Specific Activity	400 nmole of phosphatetransferred to Chktide peptide substrate (KKKVSRSGLYRSPSPENLNRPR) per minuteper mg of total protein at 30°C. Activity determined at a final proteinconcentration of 20 ug/ml.
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	BRSK1

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Pathways	LKB1 signalingevents
Full Length	Full L.
GENE INFORMATION	
Gene Name	BRSK1 BR serine/threoninekinase 1 [Homo sapiens]
Synonyms	BRSK1; BRserine/threonine kinase 1; hSAD1; FLJ43009; KIAA1811; serine/threonine-proteinkinase BRSK1; SAD1 kinase; SAD1 homolog; protein kinase SAD1A; SadB kinaseshort isoform; BR serine/threonine-protein kinase 1; serine/threonine-proteinkinase SAD-B; synapses of Amphids Defective homolog 1;brain-specific serine/threonine-proteinkinase 1; EC 2.7.11.1; EC 2.7.11.26; Serine/threonine-protein kinase BRSK1; Brain-specific serine/threonine-protein kinase 1;Serine/threonine-protein kinase SAD-B; Synapses of Amphids Defective homolog 1
Gene ID	84446
mRNA Refseq	NM_032430
Protein Refseq	NP_115806
MIM	609235
UniProt ID	Q8TDC3
Chromosome Location	19q13.4
Function	ATP binding;gamma-tubulin binding; magnesium ion bindin; nucleotide binding;

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proteinserine/threonine kinase activity; tau-protein kinase activity

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