

Recombinant Human BRSK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BRSK2-4834H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BRSK2 MS Standard C13 and N15-labeled recombinant protein (NP_003948) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	BRSK2 (BR Serine/Threonine Kinase 2) is a Protein Coding gene. Diseases associated with BRSK2 include Autosomal Dominant Non-Syndromic Intellectual Disability and Paraneoplastic Limbic Encephalitis. Among its related pathways are Neuroscience and Sweet Taste Signaling. Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is BRSK1.
Molecular Mass	74.6 kDa
AA Sequence	MTSTGKDGGGAQHAQYVGPYRLEKTLGKGQTGLVKLGVCVTCQKVAIKIVNREKLS ESVLMKVEREIAILKIEHPHVLKLHDVYENKKYLYLVLEHVSGGELFDYLVKKGRLLTP KEARKFFRQIISALDFCHSHSICHRDLKPENLLLDEKNNIRIADFGMASLQVGDSLLET SCGSPHYACPEVIRGEKYDGRKADVWSCGVILFALLVGALPFDDDNLRQLLEKVKR GVFHMPHFIPDCQSLLRGMIEVDAARRLTLEHIQKHIWYIGGKNEPEPEQPIPRKVQ IRSLPSLEDIDPDVLDSMHS LGCFRDRNKLQDLLSEEENQEKMIFLLDRKERYPS QEDEDLPPRNEIDPPRKRVDSPMLNRHGKRRPERKSMEVLSVTDGGSPVPARRAIE

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MAQHGQRSRSISGASSGLSTSPLSSPRVTPHPSPRGSPPLTPKGTVPVHTPKESPAG
 TPNTPPSSPSVGGVPWRARLNSIKNSFLGSPRFHRRKLQVPTPEEMSNLTPESSP
 ELAKKSWFGNFISLEKEEQIFVVIKDKPLSSIKADIVHAFLSIPSLSHSVISQTSFRAEYK
 ATGGPAVFQKPVKFQVDITYTEGGEAQKENGIVSVTFTLLSGPSRRFKRVTETIQAQ
 LLSTHDPAAQHLSDTTNCMEMMTGRLSKCGIIPKSTRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **BRSK2 BR serine/threonine kinase 2 [Homo sapiens (human)]**

Official Symbol **BRSK2**

Synonyms BRSK2; BR serine/threonine kinase 2; C11orf7, chromosome 11 open reading frame 7, STK29; serine/threonine-protein kinase BRSK2; PEN11B; serine/threonine kinase 29; protein kinase SAD1B; brain-selective kinase 2; serine/threonine-protein kinase 29; BR serine/threonine-protein kinase 2; serine/threonine-protein kinase SAD-A; brain-specific serine/threonine-protein kinase 2; SAD1; STK29; C11orf7; FLJ41362;

Gene ID **9024**

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mRNA Refseq [NM_003957](#)

Protein Refseq [NP_003948](#)

MIM [609236](#)

UniProt ID [Q8IWQ3](#)

SDS-PAGE



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