

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | BRSK2 MS Standard C13 and N15-labeled recombinant protein (NP_003948) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 74.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MTSTGKDGGGAQHAQYVGPIRLEKTLGKGQTGLVKLGVCVTCQKVAIKIVNREKLS<br>ESVLMKVEREIAILKIEHPHVLKLHDVYENKKYLYLVLEHVSGGELFDYLVKKGRITP<br>KEARKFFRQIISALDFCHSHSICHRDLKPENLLLDEKNNIRIADFGMASLQVGDSLLET<br>SCGSPHYACPEVIRGEKYDGRKADVWSCGVILFALLVGALPFDDDNLRQLLEKVKR<br>GVFHMPPHFIPDCQSLLRGMIEVDAARRLTLEHIQKHIWIYIGGKNEPEPEQPIPRKVQ<br>IRSLPSLEDIDPDVLDMSHSLGCFRDRNKLQDLLSEENQEKMIFLLLDKERYPS<br>QEDEDLPPRNEIDPPRKRVDSPMLNRHGKRRPERKSMEVLSVTDGGSPVPARRAIE                                                      |

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MAQHGQRSRSISGASSGLSTSPLSSPRVTPHPSPRGSPLPTPKGTPVHTPKESPAG  
 TPNTPPSSPSVGGVPWRARLNSIKNSFLGSPRFHRRKLQVPTPEEMSNLTPESSP  
 ELAKKSWFGNFISLEKEEQIFVVIKDKPLSSIKADIVHAFLSIPSLSHSVISQTSFRAEYK  
 ATGGPAVFQKPVKFQVDITYTEGGEAQKENGIIYSVTFTLLSGPSRRFKRVTETIQAQ  
 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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