

Recombinant Human SIK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SIK2-3156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SIK2 MS Standard C13 and N15-labeled recombinant protein (NP_056006) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.
Molecular Mass	103.7 kDa
AA Sequence	MVMADGPRHLQRGPVRVGFYDIEGTLGKGNFAVVKLGRHRITKTEVAIKIIDKSQLDA VNLEKIYREVQIMKMLDHPHIIKLYQVMETKSMYLVTEYAKNGEIFDYLANHGRLE SEARRKFWQILSAVDYCHGRKIVHRDLKAENLLDNNMNIKIADFGFGNFFKSGELLA TWCGSPPYAAPEVFEGQQYEGPQLDIWSMGVVLVLCGALPFDGPTLPILRQRLV EGRFRIPYFMSEDCEHLIRRMVLDPKRLTIAQIKEHKWMLIEVPVQRPVLYPQEQE NEPSIGEFNEQVLRMLHSLGIDQQKTIESLQNKSYNHFAAIYFLLVERLKSHRSSFPV EQRLDGRQRRPSTIAEQTVAKAQTVGLPVTMHSPNMRLLSALLPQASNVEAFSFP ASGCQAEAAFMEEECVDPKVNGLCLDPVPPVLVRKGCQSLPSNMMETSIDEGLET EGEAEEDPAHAFAFAFQSTRSGQRRHTLSEVTNQLVVMGPAGKIFSMNDSPSLDSVD SEYDMGSVQRDLNFLEDNPSLKDIMLANQPSPRMTSPFISLRPTNPAMQALSSQKR

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EVHNRSPVSFREGRRASDTSLTQGIVAFRQHLQNLARTKGILELNKVQLLYEQIGPE
ADPNLAPAAPQLQDLASSCPQEEVSQQQESVSTLPASVHPQLSPRQSLETQYLQHR
LQKPSLLSKAQNTCQLYCKEPPRSLEQQLQEHLRQKRLFLQKQSQLQAYFNQMQL
AESSYPQPSQQLPLPRQETPPPSQQAPPFSLTQPLSPVLEPSSEQMQYSPFLSQYQ
EMQLQPLPSTSGPRAAPPLPTQLQQQPPPPPPPPPPRQPGAAPAPLQFSYQTCE
LPSAASPAPDYPTPCQYPVDGAQQSDLTGPDPCRSPGLQEAPSSYDPLALSEPLGL
FDCEMLDAVDPQHNGYVLVNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SIK2 salt-inducible kinase 2 [Homo sapiens (human)]

Official Symbol SIK2

Synonyms SIK2; salt-inducible kinase 2; SNF1 like kinase 2, SNF1LK2; serine/threonine-protein kinase SIK2; DKFZp434K1115; KIAA0781; LOH11CR1I; QIK; SIK-2; SNF1-like kinase 2; qin-induced kinase; salt-inducible protein kinase 2; salt-inducible serine/threonine kinase 2; serine/threonine-protein kinase SNF1-like kinase 2; SNF1LK2;

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Gene ID	23235
mRNA Refseq	NM_015191
Protein Refseq	NP_056006
MIM	608973
UniProt ID	Q9H0K1
SDS-PAGE	