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Product datasheet for PH321327

Snf1lk2 (SIK2) (NM_015191) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SIK2 MS Standard C13 and N15-labeled recombinant protein (NP_056006)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221327
Predicted MW:	103.7 kDa
Protein Sequence:	>RC221327 representing NM_015191 Red=Cloning site Green=Tags(s) MVMADGPRHLQRGPVRVGFYDIEGTLGKGNFAVVKLGRHRITKTEVAIKIIDKSQLDAVNLEKIYREVQI MKMLDHPHIIKLYQVMETKSMLYLVTEYAKNGEIFDYLANHGRLNESEARRKFWQILSAVDYCHGRKIVH RDLKAENLLLDNNMNIKIADFGFGNFFKSGELLATWCGSPPYAAPEVFEGQQYEGPQLDIWSMGVVLYVL VCGALPFDGPTLPILRQRVLEGRFRIPYFMSEDCEHLIRRMLVLDPSKRLTIAQIKEHKWMLIEVPVQRP VLYPQEQENEPSIGEFNEQVLRLMHSLGIDQQKTIESLQNKSYNHFAAIYFLLVERLKSHRSSFPVEQRL DGRQRRPSTIAEQTVAKAQTVGLPVTMHSPNMRLLRSALLPQASNVEAFSFPASGCQAEAAFMEEECVDT PKVNGCLLDPVPPVLVRKGCQSLPSNMMETSIDEGLETEGEAEEDPAHAFEAFQSTRSGQRRHTLSEVTN QLVVMPGAGKIFSMNDSPSLDSVDSEYDMGSVQRDLNFLEDNPSLKDIMLANQPSPRMTSPFISLRPTNP AMQALSSQKREVHNRSPVSFREGRRASDTSLTQGIVAFRQHLQNLARTKGILELNKVQLLYEQIGPEADP NLAPAAPQLQDLASSCPQEEVSQQQESVSTLPASVHPQLSPRQSLETQYLQHRLQKPSLLSKAQNTCQLY CKEPPRSLEQQLQEHRLQQKRLFLQKQSQLQAYFNQMQIAESSYPQPSQQLPLPRQETPPPSQQAPPFSL TQPLSPVLEPSSEQMQYSPFLSQYQEMQLQPLPSTSGPRAAPPLPTQLQQQQPPPPPPPPPPRQPGAAPA PLQFSYQTCELPSAASPAPDYPTPCQYPVDGAQQSDLTGPDCPRSPGLQEAPSSYDPLALSELPGLFDCE MLDAVDPQHNGYVLVN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

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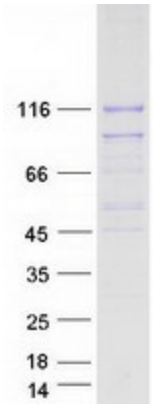
RefSeq:	NP_056006
RefSeq Size:	5694
RefSeq ORF:	2778
Synonyms:	LOH11CR1I; QIK; SIK-2; SNF1LK2
Locus ID:	23235
UniProt ID:	Q9H0K1, A0A024R3G7
Cytogenetics:	11q23.1
Summary:	Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified SIK2 protein (Cat# [TP321327]). The protein was produced from HEK293T cells transfected with SIK2 cDNA clone (Cat# [RC221327]) using MegaTran 2.0 (Cat# [TT210002]).

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