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Product datasheet for TP518168

Sik2 (NM_178710) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse salt inducible kinase 2 (Sik2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218168 representing NM_178710 Red=Cloning site Green=Tags(s) MVMADGPRHLQRGPVRVGFYDIEGTLGKGNFAVVKLGRHRITKTEVAIKIIDKSQLDAVNLEKIYREVQI MKMLDHPHIIKLYQVMETKSMLYLVTEYAKNGEIFDYLANHGRLNESEARRKFWQILSAVDYCHGRKVVH RDLKAENLLLDNNMNIKIADFGFGNFFKTGELLATWCGSPPYAAPEVFEGQQYEGPQLDIWSMGVVLYVL VCGALPFDGPTLPILRQRVLEGRFRIPYFMSEDCEHLIRRMLVLDPSKRLSIAQIKEHKWMLIEVPVQRP ILYPQEQENEPSIGEFNEQVLRLMHSLGIDQQKTVESLQNKSYNHFAAIYFLLVERLKSHRSSFPVEQRL DGRQRRPSTIAEQTVAKAQTVGLPVTLHPPNVRLMRSTLLPQASNVEAFSFPTSSCQAEAAFMEEECVDT PKVNGCLLDPVPPVLVRKGCQSLPSSMMETSIDEGLETEGEAEEDPSQAFEAFQATRSGQRRHTLSEVTN QLVVMPGAGKMFSMSDNPSLESVDSEYDMGSAQRDLNFLEDSPSLKDIMLANQPSPRMTSPFISLRPANP AMQALSSQKREAHNRSPVSFREGRRASDTSLTQGIVAFRQHLQNLARTKGILELNKVQLLYEQMGSNADP TLTSTAPQLQDLSSSCPQEEISQQQESVSSLSASMHPQLSPQQSLETQYLQHRLQKPNLLPKAQSPCPVY CKEPPRSLEQQLQEHRLQQKRLFLQKQSQLQAYFNQMQIAESSYPGPSQQLALPHQETPLTSQQPPSFSL TQALSPVLEPSSEQMQFSSFLSQYPEMQLQPLPSTPGPQAPPPLPSQLQQHQQPPPPPPPPPQQPGAAP TSLQFSYQTCELPSTTSSVPNYPASCHYPVDGAQQSNLTGADCPRSSGLQDTASSYDPLALSELPGLFDC EMVEAVDPQHNGVVSCLARET TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	104.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_848825
Locus ID:	235344
UniProt ID:	Q8CFH6, F8VPT7
RefSeq Size:	3561
Cytogenetics:	9 A5.3
RefSeq ORF:	2793
Synonyms:	G630080D20Rik; Snf1lk2
Summary:	Phosphorylates 'Ser-789' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and inhibiting activity of TORCs, the CREB-specific coactivators, like CRTC2/TORC2 and CRTC3/TORC3 in response to cAMP signaling (PubMed:29211348).[UniProtKB/Swiss-Prot Function]