

Product datasheet for TP321327

Snf1k2 (SIK2) (NM_015191) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human salt-inducible kinase 2 (SIK2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221327 representing NM_015191 Red=Cloning site Green=Tags(s)

MVMADGPRHLQRGPVRVGFYDIEGLGKGNFAVVKLGRHRITKTEVAIKIIDKSQLDAVNLEKIYREVQI
MKMLDHPHIIKLYQVMETKSMLYLVTEYAKNGEIFDYLANHGRNLNESEARRKFWQILSAVDYCHGRKIVH
RDLKAENLLLDNNMNIKIADFGFGNFFKSGELLATWCGSPPYAAPEVFEQQYEGPQLDIWSMGVVLYVL
VCGALPFDGPTLPILRQRVLEGRFRIPYFMSEDCEHLIRMLVLDPSKRLTIAQIKEHKWMLIEVPVQRP
VLYPQEQENEPSIGEFNEQVLRMLMHSGLIDQQKTIESLQNKSYNHFAAIYFLLVERLKSHRSSFPVEQRL
DGRQRRPSTIAEQTVAKAQTVGLPVTMHSPNMRLRSALLPQASNVEAFSFPASGCQAEAAFMEEECVDT
PKVNGCLLDVPPVLRKGCQSLPSNMMETSIDEGLETEGEAEEDPAHAFAEFQSTRSGQRRHTLSEVTN
QLVVMGAGKIFSMNDSPSLDSVDSEYDMGVSQRDLNFLEDNPSLKDIMLANQPSRMTSPFISLRPTNP
AMQALSSQKREVHNRSVPSVFREGRRASDTSLTQGIVAFRQHLQNLARTKGILELNKVQLLYEQIGPEADP
NLAPAAPQLQDLASSCPQEEVSQQQESVSTLPASVHPQLSPRQSLETQYLQHRQLKPSLLSKAQNTCQLY
CKEPPRSLEQLQEHRLQQKRLFLQKSQLQAYFNQMQIAESSYPQPSQQLPLPRQETPPPSQQAPPFSL
TQPLSPVLEPSSEMQYSPFLSQYQEMQLQPLPSTSGPRAAPPLPTQLQQQPPPPPPPPPPRQPGAAPA
PLQFSYQTCELPSAASPAPDYPTPCQYPVDGAQQSDLTGPDCRSPGLQEAPSSYDPLALSELPGLFDCE
MLDAVDPQHNGYVLVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

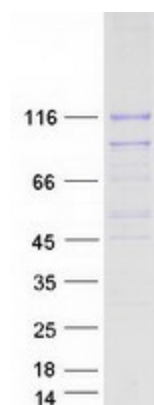
Tag:	C-Myc/DDK
Predicted MW:	103.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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.
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_056006
Locus ID:	23235
UniProt ID:	Q9H0K1 , A0A024R3G7
RefSeq Size:	5694
Cytogenetics:	11q23.1
RefSeq ORF:	2778
Synonyms:	LOH11CR1I; QIK; SIK-2; SNF1LK2
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]).