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Product datasheet for RN202128

Hk2 (NM_012735) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hk2 (NM_012735) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>RN202128 representing NM_012735
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGCCTCGCATATGATCGCCTGCTTATTCACGGAGCTCAACCAAAACCAAGTGCAGAAGGTTGACC
AATTTCTCTACCACATGCGTCTCTCAGATGAGACCCTTCTGGAGATTTCTAGGCGGTTCCGGAAGGAGAT
GGAGAAAGGGCTAGGAGCTACCACGCACCCTACAGCAGCTGTGAAAATGTTGCCTACCTTTGTGAGGTCA
ACTCCGGATGGGACAGAACATGGGGAGTTCCTGGCTCTGGATCTTGGAGGAACCAACTTCCGTGTGCTCC
GAGTAAGGGTGACGGACAATGGCCTCCAGAGAGTGGAGATGGAGAACCAGATCTACGCCATCCCTGAGGA
CATCATGCGGGGCAGTGGAACCCAGCTGTTTGACCACATCGCCGAATGCCTGGCCAACTTCATGGACAAG
CTACAAATCAAAGAGAAGAAGCTCCCTCTGGGTTTCACCTTCTCGTTCCCCTGCCACCAGACAAAACTGG
ATGAGAGTTTTTTGGTCTCGTGGACTAAGGGGTTCAAGTCCAGTGGCGTGGAAGGCAGAGATGTGGTGGA
CCTGATCCGGAAGGCTATCCAGCGCAGAGGGGACTTTGACATTGACATTGTGGCCGTGGTGAATGACACA
GTTGGGACCATGATGACTTGTGGCTATGATGATCAGAACTGCGAGATTGGTCTCATTGTGGGCACTGGCA
GCAACGCCTGCTACATGGAGGAAATGCGTCATATTGACATGGTGGAGGGAGATGAGGGGCGCATGTGCAT
CAACATGGAGTGGGGAGCCTTTGGGGACGACGGTACACTCAATGACATCCGAACCGAGTTTGACCGAGAG
ATCGACATGGGCTCGCTGAACCCTGGGAAGCAGCTGTTTGAGAAGATGATTAGCGGGATGTACATGGGGG
AGCTGGTCAGGCTCATCCTGGTGAAGATGGCCAAGGCAGAGCTGTTGTTCCAAGGGAAACTCAGCCCAGA
ACTCCTTACCACTGGCTCCTTCGAGACCAAAGATGTCTCGGATATTGAAGAGGATAAGGATGGAATCGAG
AAGGCCTACCAAATCCTGATGCGCCTGGGTCTGAATCCATTGCAGGAGGATTGTGTGGCCACGCACCGAA
TCTGCCAGATTGTGTCCACGCGCTCGGCCAGTCTGTGCGCAGCCACCCTGGCCGCGGTGCTGTGGCGAAT
CAAAGAGAACAAGGGCGAGGAGCGACTTCGCTCCACCATCGGTGTCGATGGCTCCGTCTACAAGAAACAT
CCCCATTTTGCCAAGCGTCTCCATAAGGCAGTGAGGAGGCTGGTGCCCGACTGTGATGTCCGCTTCCTCC
GCTCTGAGGATGGCAGCGGCAAGGGGGCTGCTATGGTGACGGCGGTGGCTTACCGTCTGGCTGACCAACA
CCGGGCCCGCCAGAAGACCCTGGAGTCTCTGAAGCTGAGCCACGAGCAGCTTCTGGAGGTTAAGAGAAGA
ATGAAGGTGGAAATGGAGCAGGGTCTGAGCAAGGAGACGCATGCGGTCGCCCCTGTGAAGATGCTGCCCA
CTTACGTGTGTGCCACTCCAGATGGCACAGAGAAAGGAGACTTCTTGGCCTTGGATCTTGGAGGAACAAA
CTTCCGGGTCCTGCTGGTGCGTGTGCGTAATGGCAAGCGGAGGGGCGTGGAGATGCATAACAAGATCTAC
TCCATCCCACAGGAGGTTATGCATGGCACTGGGGAAGAGCTCTTCGACCACATTGTCCAGTGCATTGCGG
ACTTCCTGGAGTACATGGGCATGAAGGGCGTGTCCCTGCCTTTGGGTTTCACATTCTCCTTCCCTTGCCA
GCAGAACAGCCTAGACCAGAGCATCCTCCTCAAGTGGACAAAGGGATTCAAGGCATCTGGCTGCGAGGGT
GAGGATGTGGTCACCTTGCTGAAGGAAGCGATTCACCGGCGAGAGGAGTTTGACCTGGATGTGGTTGCCG
TGGTGAATGACACAGTTGGGACTATGATGACTTGTGGCTACGAAGACCCTCACTGTGAAGTTGGCCTCAT
TGTTGGCACCGGAAGCAACGCCTGCTACATGGAAGAGATGCGTAATGTGGAGCTGGTGGACGGAGAGGAG
GGACGGATGTGTGTCAACATGGAGTGGGGAGCATTTGGGGACAATGGCTGCCTGGATGACTTGCGGACCG
TGTTTGATGTTGCTGTGGATGAGCTTTCTCTCAACCCTGGCAAACAGAGGTTCGAGAAGATGATCAGCGG
CATGTACTTGGGAGAGATTGTGCGCAACATTCTCATCGATTTCACGAAGCGGGGGCTGCTCTTCCGAGGC
CGCATCTCAGAGCGCCTCAAGACAAGGGGAATCTTTGAAACTAAGTTCCTGTCTCAGATAGAGAGCGACT
GCCTAGCCCTGCTACAGGTTCGTGCCATCCTGCGCCACCTAGGGCTGGAGAGCACGTGCGATGACAGCAT
CATCGTGAAGGAGGTGTGCACTGTGGTTGCCCGGCGCGCTGCACAGCTCTGTGGCGCAGGCATGGCCGCC
GTAGTGGACAAGATAAGAGAGAACCGTGGGCTGGACAACCTCAAAGTGACAGTGGGCGTGGACGGGACTC
TGTATAAGCTTCATCCTCACTTTGCCAAGGTCATGCATGAGACGGTGAGAGATCTGGCTCCGAAATGTGA
CGTGTCCTTCCTGGAATCCGAGGACGGCAGTGGGAAGGGAGCAGCTCTCATCACTGCCGTGGCCTGCCGC
ATCCGGGAGGCTGGGCAGAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_012735
Insert Size:	2754 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
RefSeq:	NM_012735.2, NP_036867.1
RefSeq Size:	3633 bp
RefSeq ORF:	2754 bp
Locus ID:	25059
UniProt ID:	P27881
Gene Summary:	enzyme involved in the phosphorylation of glucose to produce glucose-6-phosphate; may be involved in the increased rate of glycolysis seen in cancer cells [RGD, Feb 2006]