

Product datasheet for **MR209588**

Dyrk1b (NM_001037957) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dyrk1b (NM_001037957) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dyrk1b
Synonyms:	Mirk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209588 representing NM_001037957
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGTCACCAGGCCATGGTCTTTCTCTGGCTTTCGGGGCCCCAGGAACACACACAGTACTAC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209588 representing NM_001037957
 Red=Cloning site Green=Tags(s)

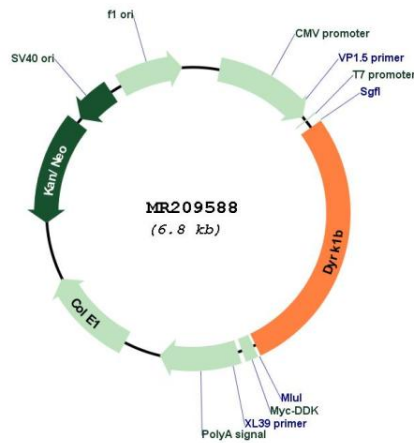
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 I IKNKKAFLNQAQIELRLLLMNQHDTEMKYYIVHLKRHFMRNHLCLVFELLSYNLYDLLRNTHFRGVS
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 SPEVLLGTPYDLAIDMWSLGCILVEMHTGEPLFSGSNEVDQMSRIVEVLGIPPAPMLEQAPKARKYFERL
 PGGGWTLRRTKELRKDYQPGTRRLQEVLGVTGGPGRRRAGEPHSPADYLRFDLVLRLMEYEPAAARI
 SPLGALQHGFRRTADEATNTGPAGSSASTSPAPLDTCPSSTASSISSSGSSGSSNDNRAYRYSNRYC
 GPGPPIITDCEMNSPQVLPSPQLRPWAGGDVPHKTHQAPIASATLPGTGAQLPPLPRCLGRPPSPTSPPP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Locus ID: 13549
 UniProt ID: [Q9Z188](#)
 Cytogenetics: 7 A3
 MW: 69.6 kDa

Gene Summary: Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase activity. Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments. Inhibits the SHH and WNT1 pathways, thereby enhancing adipogenesis. In addition, promotes expression of the gluconeogenic enzyme glucose-6-phosphatase (G6PC).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209588