

Product datasheet for **MR210583**

6430527G18Rik (BC057128) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	6430527G18Rik (BC057128) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	6430527G18Rik
Synonyms:	6430527G18Rik; Eap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210583 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGCGGCGCAGGTGTCCTCGTCCCGAAGACAGTCTTGCTACCTGTGCGACCTGCCTCGCATGCCCT
 GGGCCATGATCTGGGACTTCTCCGAACCGTATGCCGTGGTTGCGTCAATTACGAAGGCGCCGACCGCAT
 AGAATTCGTGATCGAGACAGCACGCCAGCTGAAGCGGGCTCACGGTTGCTTCCAAGACGGTCGCTCCCCG
 GGGCCGCCCGCCAGTCGGGGTCAAGACGGTGGCCTTGTCCGCCAAGGAAGCGGCAGCAGCAGCTGCCG
 CCGCACAGCAACAGCAGCAGCAACAACAGCAGCAACAGCAGCAGCTCAACCACGTCGATGGTTCCACCAA
 ACCTGCAGTGTGGCCGCCCGTCCGGTCTGGAGCGTTATGGCCTGAGCGCAGCGCCGCCCGGGCTGCC
 GCCGCCGCTGCGGTGGAACAACGCAGCCGGTTCGAGTATCCGCCCTCCTCCGGTGAAGTCTGGGGAGCAGCA
 GCCACGCCCGCCGGCTGCCAACGGCTGGGAGGTCTAACGGCTTCCCCAAGCCGGCACAGAGGAAGG
 CCCCCCGAGCTGAACCGCCAGAGCCCCAACTCATCTCAGCAGCAACATCGGTGGCTTCTCGCGTGGG
 ACGCATAGTGGGTGGTGAACCGGCTGCCAACCCGGGTGGTGGCGGGGACCTCAGTAACCGTGGCCC
 CCAACCTATTGCCGCAGACGCTGCTAACCGGCCGGCCAGCGCCGCGGTGCTGCCTCCGCCCCACGGGT
 GGGGGGAAGCCGAGGGCCCCGACTCCAGCACCTCCGGGTGCTCCCGGGGGCCCCGCATGTCTCGGGGT
 CCCCCGGTGTGTAGCCACTGTATCCTCCGCTCCATCATCGACTTCGTCGACGGTGGCAGAGGTGGGCG
 TGGGTGCTGTGGCAAGAGGCTGGATCGGTGTGAGCAGCGACCGAGGAGCGTGAAGGAGAAGCA
 GCGCAACGCTGAGGCCTGGCAGAGCTGAGCGAGAGCCTGCGCAACCGCGCGGAGGAGTGGGCCAACAA
 CCCAAGATGGTCCGCGACAGCTGCTCAGCTGGCTGGCTGCACGCCCTACGAGGTGCGCTTCAAGAAGG
 ACCACTCGCTTTGGGTGCGCTTTGGCTTCGACGCGGTCTTAAGCCGGGCATGGACTATGAGTGA
 GCTGTTCAATTGAGTATCCACGGGCTCCGCAATGTGTACTCCAGCGCGTCTGGGGTGGCCAAACAGATG
 TACCAGGATTGCATGAAGGACTTTGGCCGGGTGCTGCTCTGGCTTCAAGTACCTGGAGTACGAGAAGA
 AGCACGGCTCTGGCGACTGGCGCTACTTGGGACCTACTGCCTGAGGCTGTGCGCTTCTCAAGGAGGG
 CGTGCCCCGGCGGACATGCTGCCCCAGCCCTACCTAGATGCTAGCTGTCCCATGCTACCCACGGCGCTG
 GTGAGTCTCAGCCGCGCCCCAGCGCACCTCCAGGAAGTGGAGCCTTCCACCCGCGGCGCCACGGGCC
 GGGGTGCAGCGTCCAGCCTGCGAAAAGGAAGGCATCCCCGGAGCCTCCAGACTCAGCTGAAAGCGCACT
 GAAGCTCGGTGAGGAACAGCAGAGGCAGCAGTGGATGGCAAACCAGAGCGAGGCGCTGAAGCTCACGATG
 TCCGCGGGGGGCTTTGCGGCGCCGGGACTCAGCAGGGGGACCACCTCCGCCCCCTCCACCTCTGGGAC
 CTATTCCAATCGGACCACCCCGCGGAGTCAGCCCCCAGAACGGTCCGTCCCCCATGGCTGCCCTCAT
 GTCGGTAGCAGACACTTTGGGCACAGCTCATTGCCCAAGGACGGCAGTTCAAGTGCCTCGACCACTGCA
 TCTGCTAGGCGAAACAGCAGCAGCCGGTGTACCCCGCCTCCGTGCCGGGCCAGCGTGCCTGGCATCAC
 GCAATGGGGACCTGAATTTACAGGTGGCGCCCCCGCCCTAGCGCCACCCGGGCATGGACCAAGTACA
 CCCCCAAAACATTCGGATTCCCCTATGGCCAACAGCGGACCCCTCTGCTGTACCATTTGCCACGAACGT
 TTGGAGGACACGCATTTTCGTTTCAGTGTCCGTCTGTCCCTAGCCACAAATTTGTTCCCTTGTCTAGAG
 AGAGTATCAAGGCCAGGGGGCCACAGGTGAGGTGATTGCCCCAGCGGAGAGAAATGCCCCCTAGTCGG
 GTCTAATGTACCTTGGCCTTCATGCAGGGCGAAATTGCAACTATCTTAGCTGGGGATGTTAAAGTGAAA
 AAAGAGAGAGACCT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210583 protein sequence
Red=Cloning site Green=Tags(s)

MSAAQVSSRRQSCYLCDLPRMPWAMIWDFSEPVCRCVNYEGADRIEFVIETARQLKRAHGCFQDGRSP
GPPPPVGVKTVALSAKEAAAAAAAAAQQQQQQQQQQQLNHVDGSTKPAVLAAPSGLERYGLSAAAAAA
AAAAVEQSRFEYPPPPVSLGSSSHAARLPNGLGGPNGFPKPAPEEGPELNRQSPNSSAATSVASRRG
THSGLVTGLPNPGGGGGPQLTVPPNLLPQTLLNGPASA AVLPPPHGLGGSRGPPTPAPPGAPGGPACLG
PPGVSATVSSAPSSTSTVAEVGVGAAGKRPGSVSSTDQERELKEKQRNAEALAESESLRNRAEEWANK
PKMVRDTLLTLAGCTPYEVRFKDHSLLRVFAFDVAVSKPGMDYELKLFIEYPTGSGNVYSSASGVAKQM
YQDCMKDFGRGLSSGFKYLEYEKKHSGDWRLLDLLPEAVRFFKEGVPADMLPQPYLDASCPMLPTAL
VLSLRAPSAPPGTGALPPAAPTGRGAASSLRKRKASPEPPDSAESALKLGEEQQRQWMANQSEALKLTM
SAGGFAAPGHSAGGPPPPPPPLGPHSNRTTPESAPQNGPSPMAALMSVADTLGTAHSPKDGSSVHSTTA
SARRNSSPVSPASVPGQRRLASRNGDLNLQVAPPPSAHPGMDQVHPQNIIPDSPMANSGLCCTICHER
LEDTHFVQCPSVPSHKFCFPCSRESIKAQGATGEVYCPGSEKCLVGSNVPWAFMQGEIATILAGDVVKV
KERDP

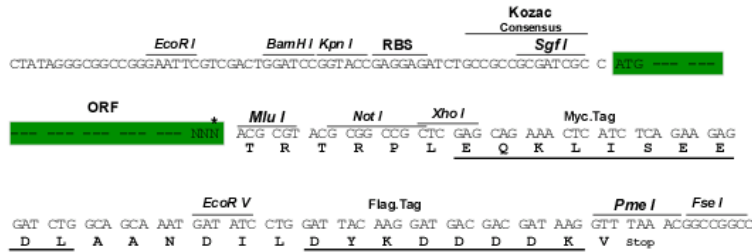
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC057128

ORF Size: 2325 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC057128](#), [AAH57128](#)

RefSeq Size: 3119 bp

RefSeq ORF: 2327 bp

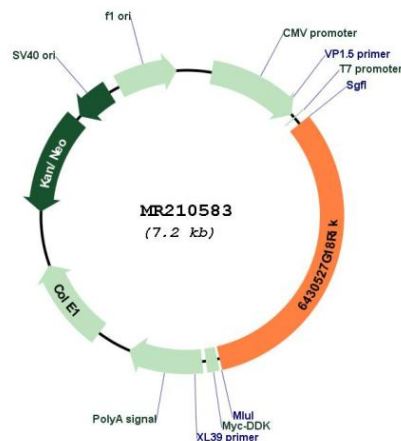
Locus ID: 238330

Cytogenetics: 12 D2

MW: 80.6 kDa

Gene Summary: Probable E3 ubiquitin protein ligase involved in the proteasome-mediated ubiquitin-dependent degradation of target proteins. Through the degradation of CTNNB1, functions downstream of FOXF2 to negatively regulate the Wnt signaling pathway. Probably plays a role in the development of the central nervous system and in neuronal maintenance (By similarity). Also acts as a transcriptional regulator of genes controlling female reproductive function. May play a role in gene transcription by transactivating GNRH1 promoter and repressing PENK promoter (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210583