

Product datasheet for **MG205934**

Dek (NM_025900) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dek (NM_025900) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dek
Synonyms: 1810019E15Rik; D13H6S231E
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205934 representing NM_025900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCGGGCGGCCCGCTGCGGAGGGAGAGGACGCCCCGTGCCGCCCTCATCCGAGAAGGAAC
 CCGAGATGCCGGTCCCAGGGAAGAGAGTGAGGAGGAGGAGGATGACGAAGACGATGATGAAGAGGA
 CGAGGAGGAAGAAAAGAAAAGAGTCTTATCGTGAAGGCAAGAGAGAGAAGAAGAAAGTAGAGAGACTG
 ACGATGCAAGTGCTTCTTACAGAGAGGCCATTTACAGTGACACAAGGAAGGGTCAGAACTTTGTG
 AAATTGAAAGGATACATTTCTTCTGAGTAAGAAAAACCAGATGAACTTAGAAATCTACACAACTGCT
 TTACAACAGGCCGGCACAGTGTCTCGTTGAAGAAGAAGCTGGGTCAGTTCAGTGGCTTTCCATTCGAA
 AAAGGCAGTACCCAGTATAAAAAGAAGGAAGAAATGTTGAAAAAGTTTCGAAATGCCATGTTAAAGGCA
 TCTGTGAGGTTCTTGATTTAGAGAGGTCAGGCGTGAACAGCGAACTCGTGAAGAGGATCTTGAATCTT
 AATGCATCCAAAGCCTTCTGGCAAACATTACCAAAATCCAAAAATCTTCCAGCAAAGGTAGTAAAAAG
 GAACGGAACAGTTCTGGAACAACAAGGAAGTCAAAGCAAATAATGCCCTGAAATCTGTGAGATGAGT
 CTAGTAGTGATGAAGATGAGAAGAAAAAAGGAAGAGTCTTCGGAAGATGAAGAGAAAGAAAGTGAAGA
 GGAGCAACCACCAAAAAAGACATCTAAAAAAGAAAAAGCAAACAGAAAGCTACTGCTAAAAGTAAAAAA
 TCTGTGAAGAGTGCTAATGTTAAGAAGGCAGACAGCAGTACCACCAAGAAGAATCAAAAAAGTTCCAAAA
 AAGAGCTGAATCTGAAGACAGTTCTGATGATGAACCCTTAATTAATAAAATTGAAAAAGCCACCTACAGA
 TGAAGAGCTAAAGGAAACAGTGAAGAAATTAAGGCTGATGCTAACTTGAAGAAGTCAATGAAGCAG
 ATTTGCAAAGAGGTATATGAAAATTATCCTGCTTATGATTTGACTGAGAGGAAAGATTCATTAACAACAA
 CTGTAAGAGCTAATTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205934 representing NM_025900
 Red=Cloning site Green=Tags(s)

MSAAAAPAAEGEDAPVPPSSEKEPEMPGPREESEEEEEDEDDDEEEDDEEEKEKSLIVEGKREKKKVERL
 TMQVSSLQREPFTVTQGGKQKLCIEIRIHFFLSKKKPDDELRLNHLKLLYNRPGTVSSLKKNVGFSGFPFE
 KGSTQYKKKEMLKKFRNAMLKSI CEVLDLERSGVNSELVKRILNFLMHPKPSGKPLPKSKKSSSKGSKK
 ERNSSGTTRKSKQTKCPEILSDESSSDEDEKKNKEESEDEEKESEEEQPPKKT SKKEKAKQKATAKSKK
 SVKSANVKKADSSTTKKNQKSSKKESESEDSSDDEPLIKLKKPPTDEELKETVKKLLADANL EEVTKMQ
 ICEVYENYPAYDLTERKDFIKTTVKELIS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025900

ORF Size: 1140 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.

RefSeq: [NM_025900.2](#), [NP_080176.2](#)

RefSeq Size: 2606 bp

RefSeq ORF: 1143 bp

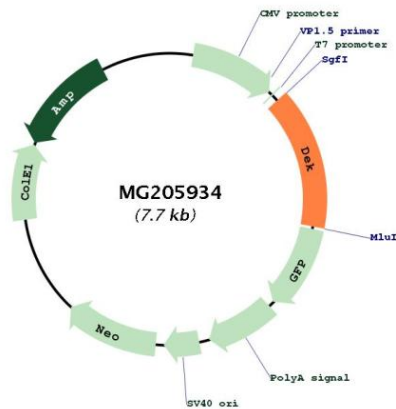
Locus ID: 110052

UniProt ID: [Q7TNV0](#)

Cytogenetics: 13 24.5 cM

Gene Summary: Involved in chromatin organization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205934