

Product datasheet for **MR215935**

Dstyk (NM_172516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dstyk (NM_172516) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dstyk
Synonyms:	A930019K20Rik; C430014H23Rik; C820013G01; Ripk5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215935 representing NM_172516
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCCGACGGGCAGTCATGGGCCGGCGAGTCCGTGTCGGGCCCGGGTCCCGGAGGCCGGCGGAATGA
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Protein Sequence: >MR215935 representing NM_172516
Red=Cloning site Green=Tags(s)

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MEADGQSWAGESVSGPGPGGGGMIRELCRGFSRYRRYLGRRLRQNLRETQKFFRDIKCSHSHSCPSSPAGG
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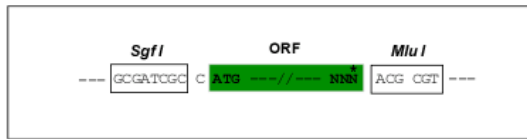
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



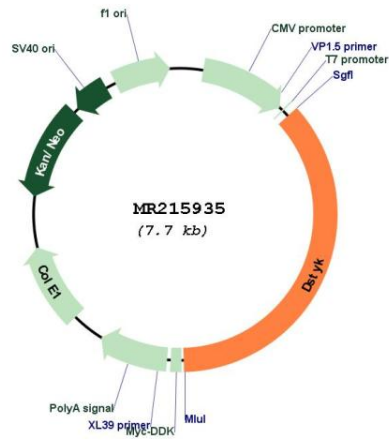
* The last codon before the Stop codon of the ORF

ACCN: NM_172516

ORF Size: 2781 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:	<ol style="list-style-type: none"> 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_172516.4 , NP_766104.2
RefSeq Size:	6385 bp
RefSeq ORF:	2784 bp
Locus ID:	213452
UniProt ID:	Q6XUX1
Cytogenetics:	1 E4
MW:	105.4 kDa
Gene Summary:	Acts as a positive regulator of ERK phosphorylation downstream of fibroblast growth factor-receptor activation. Involved in the regulation of both caspase-dependent apoptosis and caspase-independent cell death. In the skin, it plays a predominant role in suppressing caspase-dependent apoptosis in response to UV stress in a range of dermal cell types. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215935