

Product datasheet for **MC222661**

Dstyk (NM_172516) Mouse Untagged Clone

Product data:

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



[View online »](#)

Fully Sequenced ORF: >MC222661 representing NM_172516
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCCGACGGCAGTCATGGCCGGCGAGTCCGTGTCGGGCCGGGTCCCGGAGGCCGGCGGAATGA
 TCCGCGAGCTGTCCGGGGCTTACGCCGCTACCGCGCTACCTGGGACGGCTGCGGCAGAACCTGCGAGA
 GACCCAGAAGTTCTTCCGCGACATCAAGTCTCCACAGCCACAGTTGTCCCTCCTCCCGCGGGCGGC
 GGAGCGGCCGAGCTTGGCCCTGCCGGCGAGCTCGCCGAAGCCCCGCTGCCGGCGGGCCAGCTGAGCTGCA
 TTTCTTCCACCCATGGAAGAGACGTATCTGCAGCAGCTTGTGGACCGCTTCCCTGTATACTGATCCT
 CGGCCAGGACTGCAACGCCAAGTCCAGCTGCTGAACCTGCTGTTGGGGTGCAGGTGCTTCCACCCTC
 AAGCTGGACAGTGATGAGAGCTGAAGCTTCGTCGCTCCGCTTACCTATGGGACTCGGACTCGGGTCA
 GCTTGGCGCTCCCGGTCAAGTGAAGTGCACACGCTAGCTTACATCAGGACAACCTGGGAGACTAT
 CCCTGAGGAGGACTGGAGGTTCAAGAAGACAGTGAGGACGCTGCTCATGTGCTAGCTGACCTCGAGGTG
 ACAATGCATCATGCTCTCCTGCAGGAAGTGGACATTGTGGTGGCACCGTGCCCGAGCCACCGGCCCTCAG
 TAGATGTTCTGAGTGACTTGGCAAATGACTTCTTGCTGTGATAACCTATGCACTTCACAAGGATGAACT
 CTCTGAGCGGGGTGAGCAAGAGCTTCGGGAAGTTAGACAGTATTTCTCCTTCCCATGTTCTTTTCAA
 GTACCCAGCTGGAGATAATCAGCTCTTCCAGTGGGAGAGCAGAGAGTGAAGGTCAACCTGTATGGAC
 AGCTGGTGGACCTGGGCTACCTGAGCAGCAGTACAGGAACTGTGTGCCCTTGACCAGGACTGTAAAGC
 TCAGAGCATGTTGGTGGAGCAAAGTGAAGCTGAAACAACCTGAGTACATTTTCTACCAGCTGTACAG
 AACCGCTAGTGGATGCAGCCAAGGCCCTGAATGTGGTGCACAGCCACTGCCTTGACATTTTAAAC
 AGGCTTTTGACATGCAGCGGGACCTGCAGATTACTCCAAACGCCTAGAATATACTAGAAAAAGGAA
 TGAATTGTATGAATCGTTGATGAATATTGCCAACCGAAAAGCAAGAGGAAATGAAGGATATGATTGTTGAG
 ACATTTAACACCATGAAAGAGGAACTTCTGGATGATGCTGCCAACATGGAGTTTAAAGATGTCATTGTCC
 CTGAGAATGGAGAAACAATCGGGACCAGGGAGATCAAATCCTGCATCCGCCAGATCCAGGAGCTCATCAT
 CTCCAGGCTCAATCAGGCCGTGGCCAACAAGCTGATCAGCTCAGTGGACTACCTGCGGGAAAGCTTGT
 GGGACCTGGAGCGGTGTCTGCAGAGCCTTAAAAATCACAGGATGTCTCAGTTCATATTACCAGCACT
 ATCTCAAACAGATCTTAAATGCCGCTTACCATGTTGAGGTCACTTTTCACTCGGGATCCTCAGTTACTCG
 GATGCTTTGGAAACAAATCAAGCAGATCATCCAGCGTATCACATGGGTGAACCCACCCACCATCACTCTA
 GAGTGAAGAGGAAGGTGGCCAGGAAGCCATCGACAGCCTCAGCGCCTCAAGTTGGCCAGAGCATT
 GCAGCCAGTTCGCCACGGGCTCAATAGTTCTCATGAGGCGTTTGCAGCCTCCTTGAGGCAGCTGGAAGC
 TGGCCATTCTGGCCGTCTGGAGAAAACCTGAAGATCTGTGGCTAAAGGTTGAAAAGATCACGCCCTCGT
 CTGGCCCGCTTTTCGCTAGAGAGCCGGTCTTACAGGATGCTTGTCTTACCGTAAACCTAAATTAGGAC
 AGGAACTAGGCCGGGCAATAATGGTGTGGTATACCTGTGTGACAACCTGGGGGGGACACTTCCCTTGTGC
 CCTCAAATCAGTTGTTCCAGATGAGAAGCACTGGAACGATCTGGCATTGGAGTTTATTACATGAGG
 TCTCTGCCAAGCATGAGCGGCTGGTTCGATCTTATGGCTCAGTATTGACTACAACATATGGTGGCGGCT
 CCAGCGTTGCTGTACTGCTTATCATGGAGCGGCTACACCGGGACCTCTACACAGGGCTGAAGGCTGGGCT
 GACCCCTGGAGACACGTTTGCAAATAGCTCTGGATGTGGTGGAGGGAATCCGCTTTTCTGCACAGCCAGGGG
 CTTGTTTATCGGGATATCAAACCTGAAAAATGTGCTGCTGGACAAAACAAACCGTGCCAAGATCACCGACT
 TAGGATTTCTGAAACCAGAAGCTATGATGTCAGGCAGCATTGTGGGGACCAATCCATATGGCCCTGA
 ACTTTTACAGGAAAGTATGATAACTCTGTGGACGTCTATGCTTTTGGGATCCTTTTGGTATATCTGC
 TCCGGCTCTATCAAGCTCCCTGAGGCAATTTGAGAGGTGTGCTAGCAAAGACCATCTCTGGAATAATGTGC
 GCAGAGGGACCCGTCCAGAGCGTCTTCTGTGTTGATGAGGAGTGTGGCAGTTGATGGAGCGGTGTTG
 GGATGGTGAACCCCTTGAAGAGGCCCTTGGGCATCGTGCAGCCTATGCTCCGAAGCATTATGGACCGG
 CTCTGCAAGTGCAGCTCTGAACAACCAACAGAGGACTAGACGATTCTACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_172516
Insert Size:	2784 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).
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:	<u>NM_172516.4</u> , <u>NP_766104.2</u>
RefSeq Size:	6385 bp
RefSeq ORF:	2784 bp
Locus ID:	213452
UniProt ID:	<u>Q6XUX1</u>
Cytogenetics:	1 E4
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]