

Product datasheet for **SC111890**

DUSP16 (NM_030640) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP16 (NM_030640) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP16
Synonyms:	MKP-7; MKP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111890 sequence for NM_030640 edited (data generated by NextGen Sequencing)

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ATGGCCCATGAGATGATTGGAAC TCAAATTGTTACTGAGAGGTTGGTGGCTCTGCTGGAA
AGTGGAACGGA AAAAGTCTGCTAATTGATAGCCGGCCATTTGTGGAATACAATACATCC
CACATTTTGG AAGCCATTAATATCAACTGCTCCAAGCTTATGAAGCGAAGTTGCAACAG
GACAAAGTGTTAATTACAGAGCTCATCCAGCATT CAGCGAAACATAAGGTTGACATTGAT
TGCAGTCAGAAGGTTGTAGTTTACGATCAAAGCTCCCAAGATGTTGCCTCTCTCTTCA
GACTGTTTTCTCACTGTACTTCTGGGTA AACTGGAGAAGAGCTTCAACTCTGTTACCTG
CTTGCAAGGTGGGTTTGCTGAGTTCTCTCGTTGTTTCCCTGGCCTCTGTGAAGGAAAATCC
ACTCTAGTCCCTACCTGCATTTCTCAGCCTTGCTTACCTGTTGCCAACATTGGGCCAAC
CGAATTCTTCCAATCTTTATCTTGGCTGCCAGCGAGATGTCCTCAACAAGGAGCTGATG
CAGCAGAAATGGGATTGGTTATGTGTTAAATGCCAGCAATACCTGTCCAAAGCCTGACTTT
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CTAGTGCAGTGTTAGCTGGGATCTCCCGCTCCGCCACCATCGCTATCGCCTACATCATG
AAGAGGATGGACATGTCTTTAGATGAAGCTTACAGATTTGTGAAAGAAAAAGACCTACT
ATATCTCCAAACTTCAATTTTCTGGGCCAACTCCTGGACTATGAGAAGAAGATTAAAGAC
CAGACTGGAGCATCAGGGCCAAAGAGCAA AACTCAAGCTGCTGCACCTGGAGAAGCCAAAT
GAACCTGTCCCTGCTGTCTCAGAGGGTGGACAGAAAAGCGAGACGCCCTCAGTCCACCC
TGTGCCGACTCTGCTACCTCAGAGGCAGCAGGACAAAAGGCCCGTGCATCCCGCCAGCGTG
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TCCTCATCAGAAGATGCTTTGGAATACTACAAACCTTCCACTACTCTGGATGGGACCAAC
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GATAAGGAGGAAGCCAGCATCCCAAGAAGCTGCAGACCGCCAGGCCTT CAGACAGCCAG
AGCAAGCGATTGCATTCGGTCAGAAC CAGCAGCAGTGGCACCGCCAGAGGTCCCTTTTA
TCTCCACTGCATCGAAGTGGGAGCGTGGAGGACAATTACCACACCAGTTCCTTTTCGGC
CTTTCCACCAGCCAGCAGCACCTCACGAAGTCTGCTGGCCTGGGCCTTAAGGGCTGGCAC
TCGGATATCTTGGCCCCCAGACCTCTACCCCTTCCCTGACCAGCAGCTGGTATTTTGCC
ACAGAGTCCTCACACTTCTACTCTGCTCAGCCATCTACGGAGGCAGTGCCAGTTACTCT
GCCTACAGCTGCAGCCAGCTGCCCACTT GCGGAGACCAAGTCTATTCTGTGCGCAGGCGG
CAGAAGCCAAGTGACAGAGCTGACTCGCGGCGGAGCTGGCATGAAGAGAGCCCTTTGAA
AAGCAGTTTAAACGCAGAAGCTGCCAAATGGAATTTGGAGAGAGCATCATGT CAGAGAAC
AGGTCACGGGAAGAGCTGGGGAAAGTGGGCAGTCAGTCTAGCTTTTGGGCAGCATGGAA
ATCATTGAGGTCTCCTGA
    
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Clone variation with respect to NM_030640.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030640 unedited
 CGCGTGGCGNATTTGTATACGATTCTATAGGCGGCCCGGAATTCGCACGAGGGGTCGG
 CCGNCCCCAAAAGCTTTCAGTCCAGTGTAAAGCTGTTGGAGCGCGGGAGCAAAGGTAAAG
 AATGATGTAATGCGCTGGCTGCTCCAAAGCATCTTTTGTGTGGAATGGTTATCCAGTC
 ATCTCTTATGAATCAAATGTGAGGGGCTGCTTGTGGACGGAGTCCTTTGCAAGAGCAC
 ATCAACGGGAAAGAGAAAGAGACATTCACCTGGAGGGCTCTTGTGAAAAATGGGTTAAC
 TCTCCTTTTCCAGTCACCACCAGCCTGACCTCATACACTTTTGTGAAATGGAGTGGCT
 GAGCCTTTGAGCACACCATTACATCATCGTGGCAAATTAAGAAGGAGGTGGGAAAA
 GAGGACTTATTGTGTCATGGCCATGAGATGATTGAACTCAAATTGTTACTGAGAGGT
 TGGTGGCTCTGCTGGAAGTGGAAACGAAAAAGTCTGCTAATTGATAGCCGGCCATTTG
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 AGCGAAGTTGCAACAGGACAAAGTGTTAATTACAGAGCTCATCCAGCATTACAGCGAAAC
 ATAAGGTTGACATTGATTGCAGTCAGAAGGTTGTAGTTTACGATCAAAGCTCCCAAGATG
 TTGCCTCTCTCTTCCAGACTGTTTTCTACTGTACTTCTGGGTAAGTGGAGAAGAGCT
 TCAACTCTGTTACCTGCTTGCAGTGGGTTTGTGAGTTCTCTCNGTGTTCCTGGCC
 TCTGTGAAGGAAAATCCACTCTAGTCCCTACCTGCATTTCTCAGCCTTGCTTACCTGNNT
 GCCACATTGNGCCACCCGNATCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_030640 unedited
 NCCTTTAGCTATGNNACCGCGCCGCTATNCTAGNGATCGAGCTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTGAACCAAGTTCATCTTTATTTAAAGGATTGACAATCCCATTTTAA
 CAATTCTTTGATTTACAAGAGGGAGGTAGACTCGTTAGCCTCCCAACCTTAGCTTAAAT
 CGTGATGTTGCCAGGTTCTGGTGGTTCAGCTGAATCCTAAACAGTTTCCCTTCTTTGA
 TAAAGCTGAGAAGAAAAAATATCTCGATCTAGGCCACGGGAATTTGTGCATAGA
 CAGCTTGAATTGGCCTGAAAAGTGCGACTACTTCTCCCTATCCCCTGGCTTACATC
 TGGGCCACCCCACTCTCCGCGCTGTATTGCGCTGCTATTTCTTCTCCTTCTCCCTC
 CTCTCTCTTTTTCTCCTCATTTTCTTCCGCTCTTTTTTCTGTTGCCCTCTCCCTCCC
 TCCCCAAACCCCTTTTTCCCCCTGCTCCCTCCCTCCCCCTTCTCCCTTCGCGC
 CCTCCCCCTCCCCCACCTTTATCCCCACCTCTCGCTCCTCCTCCTCTCGCCTC
 TTCCTATTCTCATGTTCCCGACTTCCCCCCCCCACTCCTTCTCCTTCCCTCTCCCTCGC
 CTGCTCCTCCCGTTTTCTCGTCTTTGATCCTCCTCCCAATCCGCTCCATCCGCCAACCC
 TTTAACTTGTCTCGTTTTTTTTCCCCCTCCAACCTTCTCCTCTCTTCTCCCTCCAC
 CCCCCTCTTACCCGTTTCTCCATCACGCCCGTCTTCCCTCCTCTCTTCCCC
 TCACCTCGCCCCCTCCCCCTCTCCCCCTCACCCGCCCCGCCACCTCCCCTCCCTC
 CCTCCCCCTCCACCCCTCTCTCCTCTTTCCCCCCCCCTCTCTCTCCCGCTC
 TTTCTCCCCCACTCCNAC

Restriction Sites:

NotI-NotI

ACCN:

NM_030640

Insert Size:

3410 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:

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_030640.1](#), [NP_085143.1](#)

RefSeq Size: 3566 bp

RefSeq ORF: 1998 bp

Locus ID: 80824

UniProt ID: [Q9BY84](#)

Cytogenetics: 12p13.2

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: MAPK signaling pathway

Gene Summary: This gene encodes a mitogen-activated protein kinase phosphatase that is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. The encoded protein specifically regulates the c-Jun amino-terminal kinase (JNK) and extracellular signal-regulated kinase (ERK) pathways.[provided by RefSeq, May 2010]