

Product datasheet for **SC322594**

DUSP10 (NM_007207) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP10 (NM_007207) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP10
Synonyms:	MKP-5; MKP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322594
 TGGAGATCAATGAAGCCGAGTGAATGGGGGCTGAATGTGCGAGTCCATAGCTGAAGAGGA
 GCGCCAGATGGTGGAGGAATACACTTATTTATGAAACTGTCTTGAGTTCTTCTTGAATTG
 CCAATTTTCAGCCTCCTCATGCCTCCGTCTCCTTTAGACGACAGGGTAGTAGTGGCACTA
 TCTAGGCCCGTCCGACCTCAGGATCTCAACCTTTGTTTAGACTCTAGTTACCTTGGCTCT
 GCCAACCCAGGCAGTAACAGCCACCCTCCTGTCATCGCCACCACCGTTGTGTCCCTCAAG
 GCTGCGAATCTGACGTATATGCCCTCATCCAGCGGCTCTGCCCGCTCGTGAATTGTGGA
 TGCAGCAGTGCCAGCTGCTGCACTGTGGCAACCTACGACAAGGACAATCAGGCCCAAACC
 CAAGCCATTGCCGCTGGCACCACCACCTGCCATCGGAACCTCTACCACCTGCCCTGCT
 AACCCAGATGGTCAACAATAATGAGAATACAGGCTCTAAGTCCATCAAGTGGGGTGGG
 AGCCCTGTGTCAGGGACCCCAAGCAGCTAGCCAGCATAAAATAATCTACCCCAATGAC
 TTGGCAAAGAAGATGACCAATGCAGCAAGAGTCACTGCCGAGTCAGGGCCCTGTCATC
 ATTGACTGCAGGCCCTTCATGGAGTACAACAAGAGTCACTCCAAGGAGCTGTCCACATT
 AACTGTGCCGATAAGATCAGCCGGCGGAGACTGCAGCAGGGCAAGTCACTGTCTAGAC
 TTGATTTCTGTAGGGAAGGCAAGGACTCTTTCAAGAGGATCTTTTCAAAGAAATTATA
 GTTTATGATGAGAATACCAATGAACCAAGCCGAGTGATGCCCTCCAGCCACTTCACATA
 GTCCTCGAGTCCCTGAAGAGAGAAGGCAAAGAACCTCTGGTGTGAAAGGTGGACTTAGT
 AGTTTTAAGCAGAACCATGAAAACCTCTGTGACAACTCCCTCCAGCTCCAAGAGTGCCGG
 GAGGTGGGGGGCGGCATCCGCGGCCTCGAGCTTGCTACCTCAGCCCATCCCCACCACC
 CCTGACATCGAGAACGCTGAGCTCACCCCATCTTGCCCTTCTGTTCTTGGCAATGAG
 CAGGATGCTCAGGACCTGGACACCATGCAGCGGCTGAACATCGGCTACGTCAACGTC
 ACCACTCATCTTCCCCTACCCTATGAGAAAGGCTGTTCACTACAAGCGGCTGCCA
 GCCACTGACAGCAACAAGCAGAACCTGCGGCAGTACTTTGAAGAGGCTTTTGAGTTCATT
 GAGGAAGCTCACCAGTGTGGGAAGGGGCTTCTCATCCACTGCCAGGCTGGGGTGTCCCGC
 TCCGCCACCATCGTCATCGCTTACTTGATGAAGCACACTCGGATGACCATGACTGATGCT
 TATAAATTTGTCAAAGGCAAACGACCAATTATCTCCCAAACCTTAACCTCATGGGGCAG
 TTGCTAGAGTTCGAGGAAGACCTAAACAACGGTGTGACACCGAGAATCCTTACACCAAAG
 CTGATGGGCGTGGAGACGGTGTGTGACAATGGTCTGGATGGAAAGGATTGCTGCTCTCC
 ATTAGGAGACAATGAGGAAGGAGGATGGATTCTGGTTTTTTTTCTTTCTTTTTTTTTTTG
 TAGTTGGGAGTAAGTTTGTGAATGGAACAACCTGTTTAAACACTTTATTTTTAAACAAG
 TGTAAGAAGACTATAACTTTTGATGCCATTGAGATTCACCTCCCAAACTGACAAATTA
 AGGAGGTTAAAGAAGTAATTTTTTAAGCCAACAATAAAAATATAATACTTGTCTTCT
 CCCCCTTTTCTTTAAGCTATTTGTAGAGTTTATGACTAAATAGTCTGTGCAGGTTTCAT
 AGACCGAAGATACTACACACTTTAAACCAATTAAGAAAGCAAAAAGTAAATAGAAAAGA
 CATTGAATCACCAAGGCCTGGGATCAACCTGGGCTGTCCACACAGAAAACAAAACCCAA
 CCAAACCAAGCCCTGTTGTGCTCACTGGTGCAAAGAGAAGATCAGGGCAGCTTAAGTGGT
 CTAAGAATCCTTCAGGCATTCTTAAGGAGAAAAAGGATACCTTTGATTTTGTGTGTTTC
 ATGCTCTGGATTTTTTTTTTTTTTCTTCTCTGGGTTAAGAGATTTTTTTGAAATAGT
 GAGGAACGTGACCATTATATGCCTTCACTGGCTTCTGTGCAATAATATGATGTTTTAAGT
 GTGCAACAAGTTAGAGCTGGCAGCTGAATGATAGACAAATAGTGCAAAATTTGCCAGCTT
 GGAGATAGAAAGGAATTCAACAATATATCAAACTTTCTTCCACCTTTTTCTTTTTT
 TTTTTTTTTTCTGATTTGATTCTGGTTACAGTGCCATAAACCTTGTACATATGTATAT
 CAGAATGAAGAAAAAAATTTATTTAAAAATTTTTTCGCAAAAAAAAAAAAAATCT
 TGGTGTGTTTCTGTTGATTGTGTAATAATTTTTCATTATATAAATGAACTGGAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_007207

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_007207.3 , NP_009138.1
RefSeq Size:	2619 bp
RefSeq ORF:	1449 bp
Locus ID:	11221
UniProt ID:	Q9Y6W6
Cytogenetics:	1q41
Domains:	DSPc, RHOD
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAP kinases, different tissue distribution and subcellular localization, and different modes of expression induction by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein.</p>