

## Product datasheet for **SC211124**

### **DUSP4 (NM\_001394) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	DUSP4 (NM_001394) Human 3' UTR Clone
Symbol:	DUSP4
Synonyms:	HVH2; MKP-2; MKP2; TYP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001394
Insert Size:	2000 bp



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**Insert Sequence:** >SC211124 3'UTR clone of NM\_001394  
 The sequence shown below is from the reference sequence of NM\_001394. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCCCCATCACCACCTCTCCAGCTGTAGAGCCGCCCTGGGGGCCCCAGAACCAGAGCTGGCTCCAG
CAAGGGTAGGACGGGCCATGCGGGCAGAAAGTTGGGACTGAGCAGCTGGGAGCAGGCGACCGAGCTC
CTTCCCCATCATTCTCCTTGGCCAACGACGAGGCCAGCCAGAATGGCAATAAGGACTCCGAATACATA
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TTGGTTTATGTGCAGTTTCACTTTTCCGATAGAAATTTCTTACCTCATTTTTTAAAGCAGTAAGGCTT
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GCAAAGGGATGAGAAGACAAGTTTCCAGAAAGTGCCTGGTTCTGTGACTTGTCCCTTTGTGTCGTTG
TTGTAGTTAAAGGAATTTCATTTTTAAAAGAAATCTTGAAGGTGTGGTTTTTCATTTCTCAGTCACCA
ACAGATGAATAATTATGCTTAATAATAAAGTATTTATAAGACTTTCTTACAGAGTATGAAAGTACAAAA
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TGTCAAGGCAGTTAGGAAGTAAATGGTGTCTTGTAGATATGTGCAAGGTAGCATGATGAGCAACTTGAG
TTTGTGGCCACTGAGAAGCAGCGGGTGGGTGGGAGGAGGAAGAAAGGGGAAGAAATTAGGTTTGAATTG
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GGCGGGTGGGTGGGAGGAGGAAGAAAGGAAGAAATTAGTGTGAATTGCTTTTTAAAAAAGAAA
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TTTGGCAAGGCCAGCCATTGGGGAACAGACAAGTACAGATAACCCTGAAATGAATCCTTTTGTAAAT
TGAAGCACCATCTTTCTTTTTTGCATAAATTGGAGGTTTTAATTTTAGGGCAGTTACCTGAAGTGAA
ATATAACCAACAATTTCTGTGTTCTTTAAATCCTAGTTAGGTGAATATTTTTGAAGTCCTCTTTTGA
ATAAAGAGGGGAATGGACACCACATTTAGGTCTTCTCGAAGTGTGGAAGGGCAAGAGAGCATCAGTGA
GCTGATGGTGGATTGCTTACATCGGATTCCATTGGTATGAATTTCCAAACTGGAATCAAAGCGCCAG
GGTGGGTTGGGCTGACTGCTGGTGGGGGGCTGGCCGCTGGCTCCCGTACGTCGTCATGGGCACG
CAGGCGCCATTTTGAATCTATCGTCGGCACGTGGGTGCCATTTTGAATCCTTAGTTGGGCCCTTTCTAAA
TGGAGAATGGCTTTGGAGGGAGACACGTTTTCTGTGGGGAGGGTTTGGGGGGAGGGAGGAGGGAACAA
GCTACATGCTATTTTGTGTAGTATTGTGGAACAGTCTTGTATGGAGTGCCAGCTTAGAGGTTGTTG
CAAACCTGTCTAGAAGTGAGAGCATGGTTTTTTTAGCCCTTTGAGAGTCTACATCTAATGAACATTC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001394.7](#)

**Summary:**

The protein encoded by this gene 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. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported. [provided by RefSeq, Jul 2008]

**Locus ID:**

1846

**MW:**

74.4