

## Product datasheet for **SC208806**

### DUSP2 (NM\_004418) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** DUSP2 (NM\_004418) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** DUSP2  
**Synonyms:** PAC-1; PAC1  
**ACCN:** NM\_004418  
**Insert Size:** 684 bp  
**Insert Sequence:** >SC208806 3'UTR clone of NM\_004418  
The sequence shown below is from the reference sequence of NM\_004418. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGTTTGAGACCCAGGTGCTGTGTCACTGAGGTGGTGCCCTCTGCCTGCCTGCCCCACTGTGCTGGCA
GGAGCTGACTGTGGACTGGTGGGCTCCCCTCTGGGCCAGCACAGTCCCCTCACCTCTGGCAGGGCTGCT
ACCTCCTCAGAGTTTCAGAAGCCCCACATGGGGGCTCTAGGAATGCCGGCATGCTGGTCTTTCCGACC
TGGTGCTCTTCTGCTGGGGGACTGAGGCTGGCCCTCATTGCGGGTCCGGGAACCAAGGGTGTGCTGCTC
TTTCCCTCCCCTCCTCTGGCAGAAATCAGCTAGACGCTATACCGTGGACTCTCCCTGGTCCACCACCA
TGTTGAAGCCCTTGGCAGCCTGAGAGCTCAAGGAACAAGCTGTGACAACCAGGAGCCCTGTCTGTGGG
TTCGTCTGCCAGGGCCTGGAGCCCAAGCCCTGTGTTCCCTGGGAAGCTGGGGACTTGGGAAGTATGG
GTGTGTCATGTTGCGTGTGTCTGTGTGAGCCTTTCACACCTGTGCTGGCGCTGGAAAATTATTTGTG
CTCAGCTGACATTTAACACTCCCTCCCGCTTCTCCTAGCCCTGTGGCAGGGGTTGGAACTTAGC
ACTTTATATTTATACAGAACATTCAGGATATGTCAATAAAATATTGTTATATTTAAAAACAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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.



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RefSeq: [NM\\_004418.4](#)

**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 and ERK2, is predominantly expressed in hematopoietic tissues, and is localized in the nucleus. [provided by RefSeq, Jul 2008]

**Locus ID:** 1844

**MW:** 24.2