

Product datasheet for **SC327814**

DUSP11 (NM_003584) Human Untagged Clone

Product data:

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|---------------------------|-----------------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | DUSP11 (NM_003584) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DUSP11 |
| Synonyms: | PIR1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC327814 representing NM_003584. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGCGCAATAGCGAGACGCTGGAGCGGGCGTAGGTGGCTGCCGAGTCTTTTCTGTTTAGGGTCTTAT
CCTGGCATTGAGGGCGCCGACTGGCGCTTTTGGCCGACTTGGCATTGGGTGGCGGCTTCTTGGGACC
CACATGAGCCAGTGGCATCATCCCCGAGTGGCTGGGGCCGAGACGCGACTTTTCAGGACGCTCCTCA
GCCAAGAAGAAGGGCGGAAACCACATCCCCGAAAGGTGGAAGACTATCTCCAGTTGGACAGCGGATG
CCTGGGACTCGTTTCATTGCTTTCAAAGTTCCTTTGCAAAAGAGTTTGGAAAGAACTTGCTCCAGAA
GAATGCTTTTCCCTTTGGATCTTTTAAACAAATCCGAGAACAAATGAAGAACTTGGACTGATTATT
GATTTAACATATACTCAACGCTATTATAAACAGAGGATTTGCCAGAACTGTTCTTACTTAAAAATT
TTTACAGTTGGACATCAAGTGCCTGATGATGAGACTATTTTAAATTCAAACACGCTGTTAATGGTTT
TTGAAAGAAAAATAAGATAATGATAAACTATTGGTGTCCACTGTACCCATGGTTTAAACAGGACTGGC
TACCTCATTTCAGATATTTGATTGATGTAGAAGCGTGAGGCCAGATGATGCAATTGAATTATTCAAT
AGGTGCCGGGGACATTGCTTAGAAAGACAAACTACATTGAAGACCTTCAGAATGGTCTATCAGAAAG
AATTGGAATCCAGTGTACCCAGGTCAAGTGATTTGAAGACTCAGCACATCTCATGCAACCAAGTCCAC
AATAAGCCTGTAAACAAGGACCTAGGTATAATCTACATCAGATCCAGGGTCACTCAGCTCCTCGACAT
TTCCACACCCAGACCCAAAGTTTGAACAATCAGTCAGAAAATTTTCAGAGAATCCAGATGTTTACCAG
AGACACCATCTCCCTCCTCTGGTCCCCCTGGAGAGGACTATTACACAGGAGGTATTCTTGGAATGTG
AAGCCCAATGCCAGTCGGGCAGCCAGGATAGAAGAAGGTGGTATCCTTATAATTACTCCAGACTCTCC
TATCCAGCCTGTTGGGAATGGACCCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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| ACCN: | NM_003584 |
| Insert Size: | 1134 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). |
| 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: | <u>NM_003584.2</u> |
| RefSeq Size: | 1639 bp |
| RefSeq ORF: | 1134 bp |
| Locus ID: | 8446 |
| UniProt ID: | <u>O75319</u> |
| Cytogenetics: | 2p13.1 |
| Domains: | DSPc |
| Protein Families: | Druggable Genome, Phosphatase |
| MW: | 43.7 kDa |
| Gene 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 is 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 is localized to the nucleus and binds directly to RNA and splicing factors, and thus it is suggested to participate in nuclear mRNA metabolism. [provided by RefSeq, Sep 2008] |