

Product datasheet for **SC302742**

DUSP28 (NM_001033575) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	DUSP28
Synonyms:	DUSP26; VHP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302742 representing NM_001033575. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGACCGGCAGAAGCTGGGCGCCGCGGGCCGCTCGCCGTACCTCCACCGTTGGTGC CGTCGCG
CCCTCACTCTTCTCGGGAGCGCGCAGCCGCGGGCGCGGAGGAGCAGCTGGCGCGCGCGGAGTCACG
CTGTGCGTCAACGTCTCCCGCCAGCAGCCCGGCCGCGCGCGCCCGCGTGGCAGAGCTGCGCGTGCCC
GTGTTTCGACGACCCGGCTGAGGACCTGCTGGCGCACCTGGAGCCACGTGCGCCGCCATGGAGGCCGCG
GTGCGCGCCGGCGCGCTGCCTAGTCTACTGCAAGAACGGCCGCGAGCCGCTCGGCCCGCTCTGCACC
GCGTACCTCATGCGGCACCGCGCCCTCAGCCTGGCGAAGGCCCTTCAGATGGTGAAGAGCGCTCGCCCG
GTAGCAGAACC GAACCCGGCTTCTGGTCTCAGCTCCAGAAGTATGAGGAGGCCCTCCAGGCCAGTCC
TGCCTGCAGGGAGAGCCCCAGCCTTAGGGTTGGGCCCTGAGGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001033575
Insert Size:	531 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001033575.1</u>
RefSeq Size:	1555 bp
RefSeq ORF:	531 bp
Locus ID:	285193
UniProt ID:	<u>Q4G0W2</u>
Cytogenetics:	2q37.3
MW:	18.3 kDa
Gene Summary:	Has phosphatase activity with the synthetic substrate 6,8-difluoro-4-methylumbelliferyl phosphate (in vitro) (PubMed:24531476, PubMed:29121083). Has almost no detectable activity with phosphotyrosine, even less activity with phosphothreonine and displays complete lack of activity with phosphoserine (PubMed:29121083). The poor activity with phosphotyrosine may be due to steric hindrance by bulky amino acid sidechains that obstruct access to the active site (PubMed:29121083).[UniProtKB/Swiss-Prot Function]