

## Product datasheet for SC310639

### DUSP22 (NM\_020185) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP22 (NM_020185) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP22
Synonyms:	JKAP; JSP-1; JSP1; LMW-DSP2; LMWDSP2; MKP-x; MKPX; VHX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310639 representing NM_020185. Blue=Insert sequence Red=Cloning site Green=Tag(s)

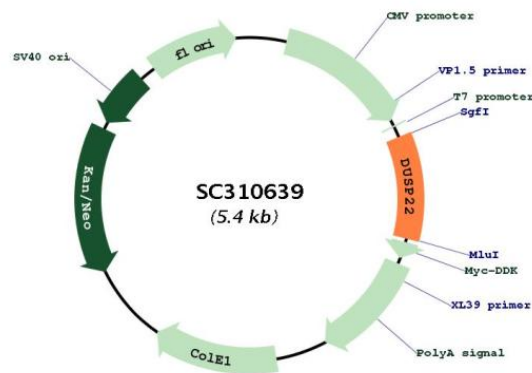
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAATGGGATGAACAAGATCCTGCCCGCCGTACATCGGCAACTCAAAGATGCCAGAGACGCG
GAACAATTGAGCAAGAACAAGGTGACACATATTCTGTCTGTCCACGATAGTGCCAGGCCTATGTTGGAG
GGAGTTAAATACCTGTGCATCCCAGCAGCGGATTCACCATCTCAAAACCTGACAAGACATTTCAAAGAA
AGTATTAATTCATTACGAGTGCCGGCTCCGCGGTGAGAGCTGCCTTGACTGCCTGGCCGGGGTTC
TCCAGGAGCGTGACTGGTGATCGCATACATCATGACCGTCACTGACTTTGGCTGGGAGGATGCCCTG
CACACCGTGCGTCTGGGAGATCCTGTGCCAACCCCAACGTGGGCTTCCAGAGACAGCTCCAGGAGTTT
GAGAAGCATGAGGTCCATCAGTATCGGCAGTGGCTGAAGGAAGAATATGGAGAGAGCCCTTTCAGGAT
GCAGAAGAAGCCAAAAACATTCTGGCCGCTCCGGGAATTCGAAGTTCTGGGCCTTCTCAGAAGACTG
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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## Plasmid Map:



**ACCN:** NM\_020185

**Insert Size:** 555 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.

RefSeq:	<u>NM_020185.4</u>
RefSeq Size:	1538 bp
RefSeq ORF:	555 bp
Locus ID:	56940
UniProt ID:	<u>Q9NRW4</u>
Cytogenetics:	6p25.3
Domains:	DSPc
Protein Families:	Druggable Genome, Phosphatase
MW:	20.9 kDa
Gene Summary:	<p>Activates the Jnk signaling pathway. Dephosphorylates and deactivates p38 and stress-activated protein kinase/c-Jun N-terminal kinase (SAPK/JNK) (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks a segment of the 3' coding region and 3' UTR and includes an alternate 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.</p>