

## Product datasheet for **RC206095**

### **DUSP19 (NM\_080876) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP19 (NM_080876) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DUSP19
Synonyms:	DUSP17; LMWDSP3; SKRP1; TS-DSP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206095 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTA**CTCCCTTAACCAGGAAATTAAGCATTCTCCCGAATAATCTCAGGAAGCAATGCACCAGGGTGA**  
CAACGCTAACTGGAAAGAAAATTATAGAAACATGGAAAGATGCCAGAATTCATGTTGTGGAAGAAGTAGA  
GCCGAGCAGTGGGGTGGTTGTGGTTATGTGCAGGACCTAGCTCGGACCTGCAAGTTGGCGTTATTAAG  
CCATGGTTGCTCCTAGGGTCACAAGATGCTGCTCATGATTTGGATACACTGAAAAAGAATAAGGTGACTC  
ATATTCTTAATGTTGCATATGGAGTTGAAAATGCTTTCCTCAGTGACTTTACATATAAGAGCATTCTAT  
ATTGGATCTGCCTGAAACCAACATCCTGTCTTATTTCCAGAATGTTTTGAATTTATTGAAGAAGCAAAA  
AGAAAAGATGGAGTGGTTCTTGTTCAATTGTAATGCAGGCGTTTCCAGGGCTGCTGCAATTGTAATAGGTT  
TCCTGATGAATTCTGAACAAACCTCATTACCAGTGCTTTTTCTTTGGTAAAAATGCAAGACCTCCAT  
ATGTCCAATCTGGCTTCATGGAGCAGCTTCGTACATATCAAGAGGGCAAGAAAGCAATAAGTGTGAC  
AGAATACAGGAGAACAGTTCA

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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:** [NM\\_080876.4](#)

**RefSeq Size:** 5379 bp

**RefSeq ORF:** 654 bp

**Locus ID:** 142679

**UniProt ID:** [Q8WTR2](#)

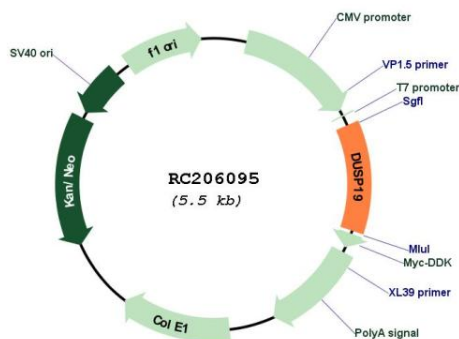
**Cytogenetics:** 2q32.1

**Protein Families:** Druggable Genome, Phosphatase

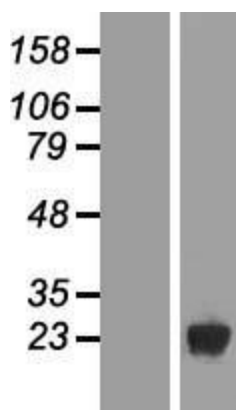
**MW:** 24.2 kDa

**Gene Summary:** Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]

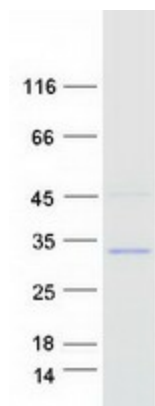
### Product images:



Circular map for RC206095



Western blot validation of overexpression lysate (Cat# [LY408993]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206095 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DUSP19 protein (Cat# [TP306095]). The protein was produced from HEK293T cells transfected with DUSP19 cDNA clone (Cat# RC206095) using MegaTran 2.0 (Cat# [TT210002]).