

Product datasheet for **RG200202**

DUSP26 (NM_024025) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP26 (NM_024025) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DUSP26
Synonyms:	DSP-4; DUSP24; LDP-4; LDP4; MKP-8; MKP8; NATA1; NEAP; SKRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200202 representing NM_024025 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCCCTGGTAACTGGCTTTGGGCTTCTATGACTTTTATGGCCGCTTCTCCCGGAGTAGCTCAAGGT
CTCCTGTTCGAACTCGAGGGACCCTGGAGGAGATGCCAACCGTTCAACATCCTTTCCTCAATGTCTTCGA
GTTGGAGCGGCTCCTCTACACAGGCAAGACAGCCTGTAACCATGCCGACGAGGTCTGGCCAGGCCTCTAT
CTCGGAGACCAGGACATGGCTAACAAACCGCCGGGAGCTTCGCCGCTGGGCATCACGCACGTCCTCAATG
CCTCACACAGCCGGTGGCGAGGCAGCCCGAGGCCTATGAGGGGCTGGGCATCCGCTACCTGGGTGTTGA
GGCCACGACTCGCCAGCCTTTGACATGAGCATCCAATTCCAGACGGCTGCCGACTTCATCCACCGGGCG
CTGAGCCAGCCAGGAGGGAAGATCCTGGTGCAATTGTGCTGTGGCGTGAGCCGATCCGCCACCCTGGTAC
TGGCCTACCTCATGCTGTACCACCACCTTACCCTCGTGGAGGCCATCAAGAAAAGTCAAAGACCACCGAGG
CATCATCCCCAACCGGGCTTCTGAGGCAGCTCCTGGCCTGGACCGCAGGCTGCGGCAGGGTCTGGAA
GCA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200202 representing NM_024025
 Red=Cloning site Green=Tags(s)

MCPGNLWASMTFMARFSRSSSRSPVTRTRGTLEEMPTVQHPFLNVFELERLLYTGKTACNHADEVWPLY
 LGDQDMANNRRELRLRGLITHVLNASHSRWRGTPEAYEGLGIRYLGVEAHDSPAFDMSIHFQTAADF IHRA
 LSQPGGKILVHCAVGVSRSATLVLAYLMLYHHLTLVEAIKKVKDHRGIIPNRGFLRQLLALDRRLRQGLE
 A

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024025

ORF Size: 633 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_024025.3](#)

RefSeq Size: 1665 bp

RefSeq ORF: 636 bp

Locus ID: 78986

UniProt ID: [Q9BV47](#)

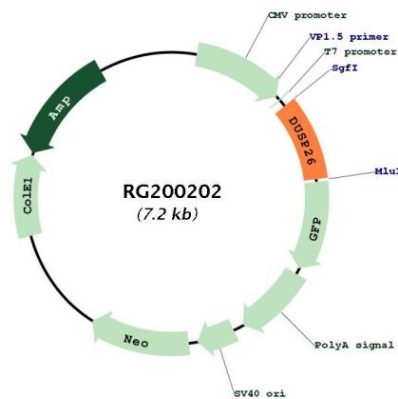
Cytogenetics: 8p12

Domains: DSPc

Protein Families: Druggable Genome, Phosphatase

Gene Summary: This gene encodes a member of the tyrosine phosphatase family of proteins and exhibits dual specificity by dephosphorylating tyrosine as well as serine and threonine residues. This gene has been described as both a tumor suppressor and an oncogene depending on the cellular context. This protein may regulate neuronal proliferation and has been implicated in the progression of glioblastoma through its ability to dephosphorylate the p53 tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Product images:



Circular map for RG200202