

Product datasheet for **RG236554**

DUSP22 (NM_001286555) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DUSP22 (NM_001286555) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DUSP22
Synonyms: JKAP; JSP-1; JSP1; LMW-DSP2; LMWDSP2; MKP-x; MKPX; VHX
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236554 representing NM_001286555.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAATGGGATGAACAAGATCCTGCCCGCCTGTACATCGGCAACTCAAAGATGCCAGAGACGCG
GAACAATTGAGCAAGAACAAGGTGACACATATTCTGTCTGTCCACGATAGTGCCAGGCCTATGTTGGAG
GGAGTTAAATACCTGTGCATCCCAGCAGCGGATCACCATCTCAAACCTGACAAGACATTTCAAAGAA
AGTATTAATTCATTACGAGTGCCGGTCCGCGGTGAGAGCTGCCTTGACTGCCTGGCCGGGGTC
TCCAGGAGCGTGACTGGTGATCGCATACATCATGACCGTCACTGACTTGGCTGGGAGGATGCCCTG
CACACCGTGCCTGGGAGATCCTGTGCCAACCCCAACGTGGGCTTCCAGAGACAGCTCCAGGAGTTT
GAGAAGCATGAGTCCATCAGTATCGGCAGTGGCTGAAGGAAGAATATGGAGAGAGCCCTTTCAGGAT
GCAGAAGAAGCCAAAAACATTCTGGGTAATAAAGGAGCAAGGGCGCACAGAGCCCAGCCCGGCGCC
AGGCGGTGGAGCAGTTTTCCGGCACTGGCTCCGCTGACCTACGATAATTATACGACGGAGACC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236554
Blue=ORF Red=Cloning site Green=Tag(s)

```
MNGMNMKILPGLYIGNFKDARDAEQLSKNKVTHILSVHDSARPMLEGVKYLCPAADSPSQNLTRHFE
SIKFIHECRLRGESCLVHCLAGVSRSVTLVIAIIMTVTDFGWEDALHTVRAGRSCANPNVGFQRQLQEF
EKHEVHQYRQLKEEYGESPLQDAEEAKNILGKYKEQGRTEPQPGARRWSSFPALAPLTYDNYTTET
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

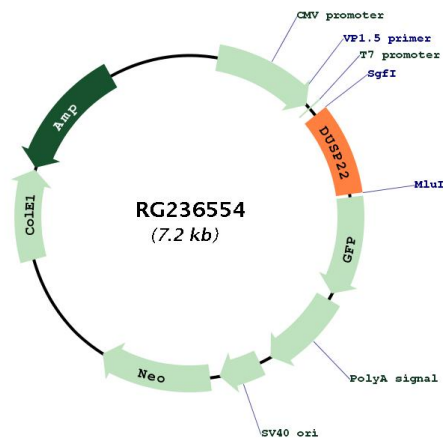
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001286555

ORF Size: 615 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).

RefSeq:	<u>NM_001286555.1, NP_001273484.1</u>
RefSeq Size:	3518 bp
RefSeq ORF:	618 bp
Locus ID:	56940
UniProt ID:	<u>Q9NRW4</u>
Cytogenetics:	6p25.3
Protein Families:	Druggable Genome, Phosphatase
MW:	23.7 kDa
Gene Summary:	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]