

Product datasheet for **RG203421**

DUSP22 (NM_020185) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DUSP22 (NM_020185) 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: >RG203421 representing NM_020185
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAATGGGATGAACAAGATCCTGCCCGCCTGTACATCGGCAACTCAAAGATGCCAGAGACGCGG
 AACAAATTGAGCAAGAACAAGGTGACACATATTCTGTCTGTCCATGATAGTCCAGGCCTATGTTGGAGGG
 AGTTAAATACCTGTGCATCCCAGCAGCGGATTCACCATCTCAAACCTGACAAGACATTTCAAAGAAAGT
 ATTAATTCATTCACGAGTGCCGGCTCCGCGGTGAGAGCTGCCTTGTACACTGCCTGGCCGGGTCTCCA
 GGAGCGTGACACTGGTGATCGCATACATCATGACCGTCACTGACTTTGGCTGGGAGGATGCCTGCACAC
 CGTGCGTGCTGGGAGATCCTGTGCCAACCCCAACGTGGGCTTCCAGAGACAGCTCCAGGAGTTTGAGAAG
 CATGAGGTCCATCAGTATCGGCAGTGGCTGAAGGAAGAATATGGAGAGAGCCCTTGCAGGATGCAGAAG
 AAGCAAAAACATTCTGGCCGCTCCAGGAATTCTGAAGTCTGGGCTTTCTCAGAAGACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203421 representing NM_020185
 Red=Cloning site Green=Tags(s)

MNGMNMKILPGLYIGNFKDARDAEQLSKNKVTHILSVHDSARPMLEGVKYLCPAADSPSQNLTRHFKEK
 IKFIHECLRGESCLVHCLAGVSRVTLVIAYIMTVTDFGWEDALHTVRAGRSCANPNVGFQRQLQEFEK
 HEVHQYRQWLKEEYGESPLQDAEEAKNILAAPGILKFWAFLRRL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_020185

ORF Size: 552 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_020185.3](#), [NP_064570.1](#)

RefSeq Size: 1511 bp

RefSeq ORF: 555 bp

Locus ID: 56940

UniProt ID: [Q9NRW4](#)

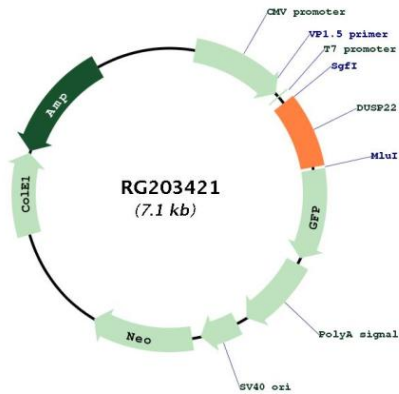
Cytogenetics: 6p25.3

Domains: DSPc

Protein Families: Druggable Genome, Phosphatase

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]

Product images:



Circular map for RG203421