

Product datasheet for RC236554

DUSP22 (NM_001286555) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DUSP22 (NM_001286555) Human Tagged ORF Clone
Tag: Myc-DDK
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)
ORF Nucleotide Sequence: >RC236554 representing NM_001286555
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAATGGGATGAACAAGATCCTGCCCGCCTGTACATCGGCAACTCAAAGATGCCAGAGACGCGG
 AACAAATTGAGCAAGAACAAGGTGACACATATTCTGTCTGTCCACGATAGTCCAGGCCTATGTTGGAGGG
 AGTTAAATACCTGTGCATCCCAGCAGCGGATCACCATCTCAAAACCTGACAAGACATTTCAAAGAAAGT
 ATTAAATTCATTACGAGTGCCGGCTCCGCGGTGAGAGCTGCCTTGTACTGCTGGCCGGGTCTCCA
 GGAGCGTGACACTGGTGATCGCATACATCATGACCGTCACTGACTTTGGCTGGGAGGATGCCCTGCACAC
 CGTGCGTGCTGGGAGATCCTGTGCCAACCCCAAGTGGGCTTCCAGAGACAGCTCCAGGAGTTTGAGAAG
 CATGAGGTCCATCAGTATCGGCAGTGGCTGAAGGAAGAATATGGAGAGAGCCCTTGCAGGATGCAGAAG
 AAGCAAAAACATTCTGGGTAATAAAGGAGCAAGGGCGCACAGAGCCCGCCAGCCGCGCCAGGCGGTG
 GAGCAGTTTTCCGGCACTGGCTCCGCTGACCTACGATAATTATACGACGGAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236554 representing NM_001286555
 Red=Cloning site Green=Tags(s)

MNGMKNILPGLYIGNFKDARDAEQLSKNKVTHILSVHDSARPMLEGVKYL CIPAADSPSQNLTRHFKEK
 IKFIHECRLRGESCLVHCLAGVSRVTLVIAYIMTVDFGWEDALHTVRAGRSCANPNVGFQRQLQEFEK
 HEVHQYRQWLKEEYGESPLQDAEEAKNILGKYKEQGRTEPQPGARRWSSFALAPLTYDNYTTET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

- 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_001286555.1](#), [NP_001273484.1](#)

RefSeq Size: 3518 bp

RefSeq ORF: 618 bp

Locus ID: 56940

UniProt ID: [Q9NRW4](#)

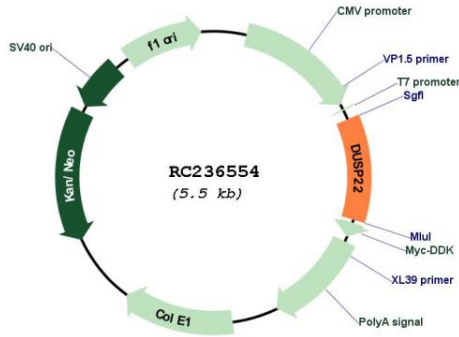
Cytogenetics: 6p25.3

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]

Product images:



Circular map for RC236554