

Product datasheet for **MG205123**

Jund (NM_010592) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Jund (NM_010592) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Jund |
| Synonyms: | Jund1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205123 representing NM_010592 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACGCCCTTCTATGGCGAGGAGCGCTGAGCGGCCTGGCTGCGGGTGCCTCGAGCGTCTGCTGGT
CTACTGGGGCCCCGGCGGTGGTGGCTTCGCGCCCCGGGCGCGCTTCCCGGGGCGCCCCGACGAG
CAGCATGCTGAAGAAAGACGCGCTGACGCTCAGCCTGGCGGAGCAGGGAGCGGGGATTGAAACAGGG
TCGGCCACTGCACCTTCTGCGCTGCGCCCCGACGGCGCCCCGACGGGCTGCTGGCTTCGCCGGATCTTG
GGCTGCTCAAACTCGCGTCGCCGAGCTGGAGAGGCTGATCATCCAGTCCAACGGGCTGGTGACCACTAC
CCCGACCAGTACGAGTTCTCTACCCGAAGGTGGCAGCTAGCGAGGAGCAGGAGTTCGCCGAAGGCTTC
GTCAAGGCGCTGGAGGACCTGCAACAAGCAAAGCCAGCTGGGTGCGGCCACCGCGGCCACCTCAGGGGCTC
CCGCGCCTCCCGCGCCCGGACCTGGCCGCCACCCCCGGGGCCACGGAGACCCCGGTCTACGCCAACCT
GAGCAGTTTCGCGGGTGGCGCGGGCCCCCTGGGGCGCGGCCACCGTGGCTTTCGCCGCGGAGCCAGTG
CCCTTCCCGCGCCCCGGGCGCGCTGGGGCGCGCCACCTCCGCATCCACCGCGCTGGCCGCGCTCA
AGGACGAGCCGACAGCCGTGCCGACGTGCCGAGCTTCGGCGACAGCCCTCCGCTGTGCCCATCGCAT
GGACACGAAGAAGCATCAAGGCGGAGCGCAAGAGGCTGCGCAACCGCATCGCCGCTCCAAATGCCGC
AAGCGCAAGCTGGAGCGTATCTCGCGCTGGAGGAGAAAGTCAAGACCCCTCAAAGCCAGAACACCGGAG
TGGCGTCCACCGCCAGCCTGCTGCGCGAGCAGGTGGCGCAGCTCAAACAGAAAGTCTCAGCCACGTC
CAGCGGCTGCCAGCTGCTGCCCCAGCACAGGTCCCGGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205123 representing NM_010592
Red=Cloning site Green=Tags(s)

METPFYGEELSGLAAGASSVAGATGAPGGGGFAPPGRAFFGAPPTSSMLKDAL T LSLAEQGAAGLKPG
 SATAPLSALRPDGPDLGLLASPDLLKLAPELERLIIQSNGLVTTTPTSTQFLYPKVAASEEQEFAEGF
 VKALEDLHKQSQLGAATAATSGAPAPPADLAATPGATETPVYANLSSFAGGAGPPGGAATVFAAEFV
 PFPPPPGALGPPPPPHPRLAALKDEPQTVDPVPSFGDSPPLSPIDMDTQERIKAEKRLRNRIIAASKCR
 KRKLERISRLEEKVKTLKSNQTELASTASLLREQVAQLKQKVL SHVNSGCQLLPQHVPAY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010592

ORF Size: 1023 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_010592.5](#)

RefSeq Size: 2878 bp

RefSeq ORF: 1026 bp

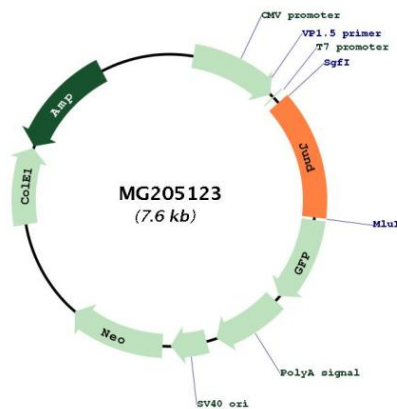
Locus ID: 16478

UniProt ID: [P15066](#)

Cytogenetics: 8 34.15 cM

Gene Summary: The protein encoded by this intronless gene is a member of the JUN family, and a functional component of the AP1 transcription factor complex. This protein has been proposed to protect cells from p53-dependent senescence and apoptosis. Alternative translation initiation site usage results in the production of different isoforms (PMID:12105216). [provided by RefSeq, Nov 2013]

Product images:



Circular map for MG205123