

Product datasheet for **MR226622**

II3 (NM_010556) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: II3 (NM_010556) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: II3
Synonyms: BPA; Csfmu; HCGF; II-3; MCGF; PSF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226622 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCTTGCCAGCTCTACCACCAGCATCCACACCATGCTGCTCCTGCTCCTGATGCTCTTCCACCTGG
GACTCCAAGTTCATCAGTGGCCGGGATACCCACCGTTAAACCAGAACGTTGAATTGCAGCTCTATTGT
CAAGGAGATTATAGGGAAGCTCCAGAACCTGAACTCAAACCTGATGATGAAGGACCTCTCTGAGGAAT
AAGAGCTTTCGGAGAGTAAACCTGTCAAATTCGTGAAAGCCAAGGAGAAGTGGATCCTGAGGACAGAT
ACGTTATCAAGTCCAATCTCAGAACTTAACTGTTGCCTGCCTACATCTGCGAATGACTCTGCGCTGCC
AGGGGTCTTCATTCGAGATCTGGATGACTTTCGGAAGAACTGAGATTCTACATGGTCCACCTTAACGAT
CTGGAGACAGTGCTAACCTCTAGACCACCTCAGCCCGCATCTGGTCCGCTCTCTCCTAACCGTGAACCG
TGAATGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226622 protein sequence
Red=Cloning site Green=Tags(s)

MVLASSTTSIHTMLLLLLLMLFHLGLQASISGRDTHRLTRTLNCSSIVKEIIGKLPEPELKTDDDEGPSLRN
KSFRRVNL SKFVESQGEVDPEDRYVIKSNLQKLNCLPTSANDSALPGVFI RDLDDFRKKLRFYMHVHLND
LETVLTSRPPQPASGSVSPNRGTVEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

ACCN: NM_010556

ORF Size: 501 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_010556.4](#), [NP_034686.2](#)
RefSeq Size: 849 bp

RefSeq ORF: 501 bp

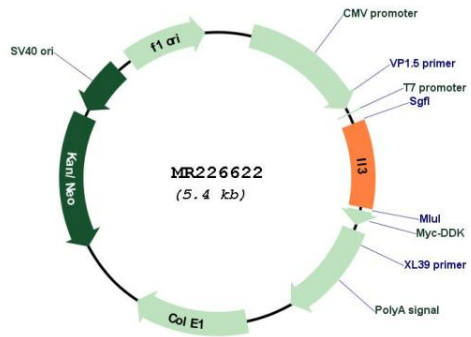
Locus ID: 16187

UniProt ID: [P01586](#)
Cytogenetics: 11 32.13 cM

MW: 18.5 kDa

Gene Summary: Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226622