

Product datasheet for **MG216463**

Scrn3 (NM_029022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Scrn3
Synonyms:	4833415E20Rik; AI427019; AV002033; Ses3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216463 representing NM_029022
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAACCCTATTCTGTGACACTTTTGTGGCATTACCTCCAGCAACAGTAGGAAATAGGGTTATTTTTG
GAAAAAATTCAGACAGACTCTTTGATGAAGTACAAGAAGTAATTTACTGTCCAGCTGCAGTTTCATAATGA
TTTGGAAAAACGTCTCAAGTGTACTTATATAGAAGTTGATCAAGTTCCTGAAACATATGCTGTTGTCCTT
AGTCGCCAGCTTGGCTGTGGGGGCGAGAAATGGTGCCAATGAGCATGGAGTCTGCATTGGGAATGAGG
CTGTATGGGGAAGAGAAGACATTTCTAAGGAGGAAGCACTTTTGGGCATGGACCTTGTGAGGCTGGGCCT
TGAGAGAGCTGACACGGCTGAGAAAGCTCTGGATGTCATTGTTGACTTACTAGAAAAGTATGGCCAAAGT
GGAAACTGCGCAGAGGGCAAAGAGTTCAGCTATTACAACAGTTTCCTGATAGCTGACAGGAATGAAGCCT
GGATCTGGAGACGTCGGGGAAGTACTGGCAGCAGAGAGTCCAAGGCGTTCGTAATATTTCCAATCA
GCTTTCCATAACAACCAAGATTGACCGGGAACATCCAGACATGAGGAACTACGCTAAGCAGAGGGGCTGG
TGGGATGGCAAAGAAGAAATTTGATTTTACTGCGGCCTATTCTTACATTGACACGGCTGCTATGATGACTT
CACCAAGCAGGTAAGTCCAGGGCTACAAGCTTCTGGATAAACACAGAGGAAACATAAATTTTGAACCGAT
GATGGAATTTCTTCGAGACAGACCCAGTGGCATCAACATGAAGGGAGAATTCCTGACCACGGCAAGCATG
GTTTCTGTTTTACCTCAGGATCCAGCCTTCTTGCATTACCTCTTACTGCAACTCCGCACCCTGAGA
GGTCTGTTTTTAAGCCTTTTCATATTTGTACCACACATTTACCACCTGTTGGATACAAAATCACCAACATT
TGAACCTGAAAGGCCAGTGGCAAAGAAGCCATATGTCAAGCCTGACAGAAGACCCCACTCTACCAAAAA
CATCAAGAGGCTTGGAAATGATAAGTAACAGTAAGGAAAAAGGCAAGACAATATTGGACAAGATGAGGA
AGCTGGAAAAAGCAGTATCTGAAGAGATAGAATCAATCCTCCAGAGTGGACATCTCGACGAGGAGAAAAC
TGTTAATCTCTTCTCAATATGTGAAAGATGAAATTAATTTATCAGTCAAATATTAGTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216463 representing NM_029022
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MEPYSCDTFVALPPATVGNRVIFGKNSDRFLDEVQVEVIYCPAAVHNDLEKRLKCTYIEVDQVPETYAVVL
 SRPAWLWGAEMGANEHGVCIGNEAVWGREDISKEEALLGMDLVRLGLERADTAEKALDVIIVDLLEKYQGQ
 GNCAEGKEFSYYNSFLIADRNEAWILETSKGYWAAERVQGVNRISNQLSITTKIDREHPDMRNYAKQRGW
 WDGKEEFDFTAAYSIDTAAMMTSPSRYCQGYKLLDKHRGNITFETMMEILRDRPSGINMKGEFLTASAM
 VSVLPQDPSLPCIHFLTATPHPERSVFKPFIFVPHISPLLDTKSPTFEPERPVAKKPYVKPDRRHPLYQK
 HQEALEMISNSKEKGKTIIDKMRKLEKAVSEEIESILQSGHLDEEKTVNLFPQYVKDEIKIYQSNISS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029022

ORF Size: 1254 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029022.1](#), [NP_083298.1](#)

RefSeq Size: 3247 bp

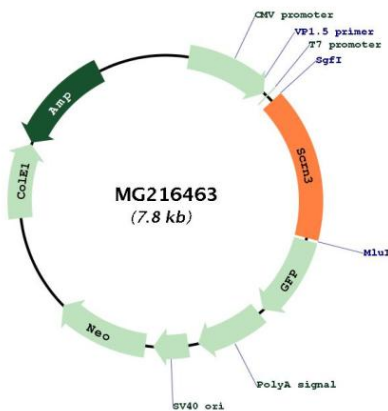
RefSeq ORF: 1257 bp

Locus ID: 74616

UniProt ID: [Q3TMH2](#)

Cytogenetics: 2 C3

Product images:



Circular map for MG216463