

Product datasheet for **MG203861**

Star (NM_011485) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Star (NM_011485) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Star
Synonyms: AV363654; D8Ertd419e; stARD1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203861 representing NM_011485
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTCGCTACGTTCAAGCTGTGTGCTGGAAGCTCCTATAGACATATGCGGAATATGAAAGGATTAA
GGCACCAAGCTGTGCTGGCCATTGGCCAAGAGCTCAACTGGAGAGCACTGGGGGATTCCAGTCCCGGGT
GATGGGTCAAGTTCGACGTCGGAGCTCTCTGCTTGGTTCTCAACTGGAAGCAACTCTATAGTGACCAG
GAGCTGCTCCTACATCCAGCAGGGAGAGGTGGCTATGCAGAAGGCCTTGGGCATACTCAACAACAGGAAG
GCTGGAAGAAGGAAAGCCAGCAGGAGAACGGGGACGAAGTGCTAAGTAAGATGGTGCCAGATGTGGGCAA
GGTGTTCGCTTGGAGGTGGTGGTAGACCAGCCCATGGACAGACTCTATGAAGAACTTGTGGACCGCATG
GAGGCCATGGGAGAGTGGAACCCAAATGTCAAGGAGATCAAGGTCTGCAGAGGATTGGAAGACACGG
TCATCACTCATGAGCTGGCTGCGGCGGCAGCAGGCAACCTGGTGGGGCCTCGAGACTTCGTGAGCGTGCG
CTGTACCAAGCGCAGAGGTTCCACCTGTGTGCTGGCAGGCATGGCCACACATTTGGGGAGATGCCGGAG
CAGAGTGGTGTATCAGAGCTGAACACGGCCCCACCTGCATGGTGCTTCATCCACTGGCTGGAAGTCCCT
CCAAGACTAACTCACTTGGCTGCTCAGTATTGACCTGAAGGGTGGCTGCCGAAGACAATCATCAACCA
GGTCTATCGCAGACCCAGATAGAGTTCCGCAACCACCTGCGCAAGCGCCTGGAAGCCAGCCCTGCCTCT
GAGGCCAGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203861 representing NM_011485
 Red=Cloning site Green=Tags(s)

MFLATFKLCAGSSYRHRNMKGLRHQAVLAIGQELNWRALGDSSPGWMGQVRRRSLLGSQLEATLYSDQ
 ELSYIQQGEVAMQKALGILNNQEGWKESQQENGDEVLSKMVPDVGKVFRLVVDVQPMDRLYEELVDRM
 EAMGEWNPVKEIKVLQRIGKDTVITHELAAAAAGNLVGPDRDFVSVRCTKRRGSTCVLAGMATHFGEMPE
 QSGVIRAEHGPTCMVLHPLAGSPSKTKLTWLLSIDLKGWLPKTIINQVLSQTQIEFANHLRKRLEASPAS
 EAQC

TRTRPLE - GFP Tag - V

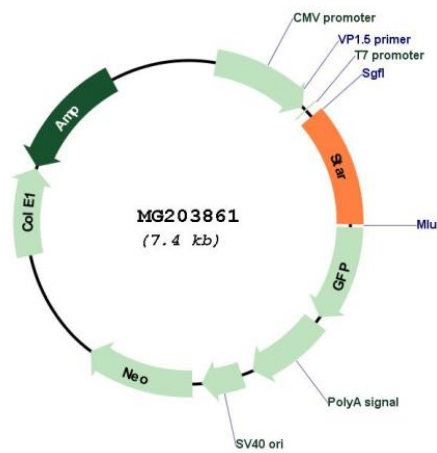
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_011485

ORF Size: 852 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:	<ol style="list-style-type: none">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_011485.5
RefSeq Size:	4007 bp
RefSeq ORF:	855 bp
Locus ID:	20845
UniProt ID:	P51557
Cytogenetics:	8 14.17 cM
Gene Summary:	Plays a key role in steroid hormone synthesis by enhancing the metabolism of cholesterol into pregnenolone. Transporter that binds to and transport cholesterol through the intermembrane space of the mitochondrion (Probable).[UniProtKB/Swiss-Prot Function]