

## Product datasheet for **RN211387**

### Star (NM\_031558) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Star (NM_031558) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Star
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211387 representing NM_031558 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTTACTAGCTACATTCAAGCTGTGTGCTGGGAGCTCCTACAGACATATGCGGAACATGAAAGGACTGA  
GGCATCAAGCTGTGCTAGCCATTGGCCAAGAGCTGAACCGGAGAGCCCTAGGGACCCAGTCCTGGGTG  
GATGGGTCAGGTCGGCGTCGGAGCTCTCTACTTGGTTCTCAACTGGAAGCAACACTCTACAGTGACCAG  
GAGCTGTCTACATCCAGCAAGGAGAGGAAGCTATGCAAAGGCCTTGGGCATACTCAACAACCAGGAAG  
GCTGGAAGAAGGAAAGCCAGCAGGAGAATGGAGATGAAGTGCTAAGTAAGGTGGTCCAGGTGTGGCAA  
GGTGTTCGACTGGAGGTGCTGTAGACCAGCCCATGGACAGACTCTATGAAGAAGTGGTGGACCGCATG  
GAGGCCATGGGAGAGTGGAAACCAATGTCAAGGAAATCAAGGTCCTGAAGAAGATTGAAAAGACACAG  
TCATCACCCATGAGCTGGCTGCAGCAGCAGCAGGCAACCTGGTGGGGCCCCGAGACTTCGTAAGCGTACG  
CTGTACCAAGCGTAGAGGTTCCACCTGTGTGCTGGCAGGCATGGCCACACTTTGGGGAGATGCCTGAG  
CAAAGCGGTGTCATCAGAGCTGAACACGGTCCCACCTGCATGGTCTTCATCCACTGGCTGGAAGTCCCT  
CAAAGACAAACTCACGTGGCTGCTCAGTATTGACCTCAAGGGTGGCTGCCAAAGACCATCATCAACCA  
AGTCTTATCACAGACCCAGATAGAGTTCGCCAGCCACTTGGCAAGCGCTTGGAGTCCAGCCCTGCCTCT  
GAGGCCAGTGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031558
Insert Size:	855 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031558.3</a></u> , <u><a href="#">NP_113746.1</a></u>
<b>RefSeq Size:</b>	1154 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	25557
<b>UniProt ID:</b>	<u><a href="#">P97826</a></u>
<b>Cytogenetics:</b>	16q12.4
<b>Gene Summary:</b>	transports cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane; plays a role in steroidogenesis [RGD, Feb 2006]