

Product datasheet for **MC206780**

Star (BC082283) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Star (BC082283) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Star
Synonyms:	AV363654; D8Ertd419e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC082283
 AAGAGGTAATCCCTCAGGACCTTGAAAGGCTCAGGAAGAACAACCTTGAGCACCTCAGCACTCAGCATG
 TTCCTCGCTACGTTCAAGCTGTGTGCTGGAAGCTCCTATAGACATATGCGGAATATGAAAGGATTAAGGC
 ACCAAGCTGTGCTGGCCATTGGCCAAGAGCTCAACTGGAGAGCACTGGGGATTCCAGTCCCGGGTGGAT
 GGGTCAAGTTCGACGTCGGAGCTCTCTGCTTGGTTCTCAACTGGAAGCAACTCTATAGTGACCAGGAG
 CTGTCTCATACCCAGCAGGGAGAGGTGGCTATGCAGAAGGCCTGGGCATACTCAACAACCAGGAAGGT
 GGAAGAAGGAAAGCCAGCAGGAGAACGGGACGAAAGTGTAAAGTAAAGTGGTGCCAGATGTGGGCAAGGT
 GTTTCGCTTGGAGTGGTGGTAGACCAGCCATGGACAGACTCTATGAAGAACTTGTGGACCGCATGGAG
 GCCATGGGAGAGTGGAACCCAAATGTCAAGGAGATCAAGGTCCTGCAGAGGATTGAAAAAGACCGTCA
 TCACTCATGAGCTGGCTGCGGGCAGCAGGCAACCTGGTGGGCCTCGAGACTTCGTGAGCGTGCCTG
 TACCAAGCGCAGAGGTTCCACCTGTGTGCTGGCAGGCATGGCCACACATTTGGGGAGATGCCGGAGCAG
 AGTGGTGTATCAGAGCTGAACACGGCCCCACCTGCATGGTGTCTCATCCACTGGCTGGAAGTCCCTCCA
 AGACTAACTCACTTGGCTGCTCAGTATTGACCTGAAGGGGTGGTGCAGAACAAATCATCAACCAGGT
 CCTATCGCAGACCAGATAGAGTTGCCAACCACCTGCGCAAGCGCTGGAAGCCAGCCCTGCCTCTGAG
 GCCCAGTGTAAAGGACTGTCCACCACATTGACCTGCAAATCATTGGAAGCTCTCACAGGAAGCCTGCAAG
 TCTGTCCATCTTACAGCTAACAGCATCGGGAGGGTGGTAGTCAGGAGACACTAGGACTGACTGGTAAAT
 CAGGATCAGCAAAATAGAAATGAGGCTTAGAATAAAAGTTCTCTAGTGTCTCCCACTGCATAGCTGTGAA
 GGCTAAGGGATAAGTAGCTATGAAACCTCTCATAGGCTTGTATATGCTGACCTAAAAGACACCAGCAG
 CTACGAACAGGGGATGCTAAGGATCGGGAACCTGTTGTCTTACCAGCTCCAAATGTCACTACCTGAAGGCA
 GTATGCACACAAAGCAAGGTCTTGCCTAGGAACTCTGTAAAAGTTCTCCTCTGTAAAAGGCCAGAACTT
 GAATGAACTACCTACAAAGGCCTTTCCAGAGTATCCAACTTTTCTCTGAGGAGAAATGAAACCATCA
 TCGTCCGACTTCCCTACTAATCCCATGACAATAAAGAACATACATGCACACTTCAGCCTGTACATGTCA
 GGTCCCAGCTGAGGAATCACAGCTTCAGCAGAACTCTGCGCTTAAATCTCCTAGCTCACAAAAGGGGAC
 AAAACGTCGGAGATTTATGTCAATTTGACTGTTTAGATTCTTTCCTAAAAGGCAATCTCAATAATTAAG
 GCACGTGCCTTTAATCCCAACTCAAGTGGCAGAGGCAGGTGGATTTTTCTAATACTAGGCTAACCT
 GGTCTACACAGAAGGATAGCCAGAGCTACATAATGAGACTGTCTCAAACCAAAAACCCAGGGATTGAA
 AAGATGGCTGACCTGTTGGGAGCACAAGCTGCTTCCAAGGAATCCAGGGTCAATCTCCAGCATCCACA
 CAGCAGCTCCCACTCTAATTCTAGTCCCAGGAACTGATGCCCTTGTGGCCGCATGGGGACCAGG
 TATGCAAGTGGTACATAGACATACAGATATGTAGGCTGAACACCCATTAACTTAACAACAAAACCTTG
 TCGGGCACGGTGGCTCAACAGCTTTAATCTCAACTGCAAATGGTGACACCAGTGAATCGCTCCAAGTT
 CCAGGCCAGCTTGACCCAGTGAGACCTCTCACAAAAGCAGGAACAAAATCTGGGAGTTGGTAGTTA
 AGATTAACAGCATCCTGGCAGGAAGATTATGACGGGATTTTCATTACCTATACTGATCAATAATACTG
 ACCAATAATGTTAAGATAAAGTGACTGTTCTATTGTTTATAGACAGATTAGATGCCAGCCTGGCTCAGAG
 CTGGCAGCTTCTTATTTGAAAAGGTTAAAATGTTATGTTACCTTCTAGGAAGACAAAATAGCTAGAAGTC
 AGTAGAGCTATAACATTCCTGTTCCAGGATTTGGAGATATTACACTTTAAGGGTATAAAATGGGAGCCAG
 GTGACGGTGGCACACGACTTTAATCCCAGTAGAGGCAGGTGGATCTCTTGAGTTTGAAGTCAGCCTGGTT
 TACAGAGTAAGTTCAGGAAAGTCAGGGCTGTTAAATAGAGAAATGCTGCTCAAAAACATAAAAAATAA
 AAATGACAAAAATAAAGTGTGACCAGCAAAATGACTCAGGGTGAAGTGCTTCCACCAAGTCTGATGA
 TGGCAGAAGCCACAGAGATGGAAGGAGAGAGATAAAGAACAGAGGTCTTATGGCTGCTTATCTACACTA
 AGTACCTTACACACATAAATACTGGTATATATTGGAATTCCTTCCGAATGTGTTAAGGATGAACAATTC
 TAACAACCGAAAGCTTTTCACTAAGCATGAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC082283

Insert Size: 855 bp

OTI Disclaimer: 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).

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:	BC082283 , AAH82283
RefSeq Size:	2775 bp
RefSeq ORF:	855 bp
Locus ID:	20845
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]