

Product datasheet for **RN208598**

ste2 (NM_001007718) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ste2 (NM_001007718) Rat Untagged Clone
Tag:	Tag Free
Symbol:	ste2
Synonyms:	MGC108739
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208598 representing NM_001007718 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGACTTCTATGCCTGAATACTATGAAGTTTTTGGTGATTTCATGGAGTTTAAATGGATAAACTGT
TCACCAAATATTGGGAAGATGTTGAAACATTCTCAGCAAGGCCAGATGACCTTCTCGTTGTTACTTATCC
TAAATCTGGCAGCACATGGATTGGTGAATTTGGGATATGATCTATAAAGAAGGTGATGTGGAAAAATGC
AAGGAGGATGCAATTTTAAACAGAATACCTTACCTGGAGTGCAGAAATGAAGATCTAATAAATGGAATAA
AACAACTAAAGGAAAAGGAATCGCCTAGAATAGTGAAAACTCACCTGCCAGCTAAGCTCCTCCAGCATC
ATTTTGGGAAAAGATTGCAAGATAATCTATCTTTGCCGAAATGCCAAAGATGTCGTCGTTTCTTATTAC
TACTTTTTCTGATCATAAAAAGTTATCCTAAATCCTAAATCTTTTCTGAATTTGTGGAGAAATTTATGG
AAGGGCAAGTTCCGTATGGTTCTGCTGGTATGATCATGTAAATCTTGGTGGGAAAAGAGTAAGAATTCACG
TGTTTTGTTTATGTTCTATGAGGATATGAAAGAGGATATCCGAAGAGAAGTTGTGAAGCTGATAGAGTTC
CTGGAGAGAGACCCATTAGCAGAGCTAGTAGACAAAATCATTCAACATACGTCATTCCAGGAGATGAAGA
ACAATCCATGCACCAATTATTCAATGCTGCCAGAGACCATGATAGATCTAAAAGTATCGCCTTTCATGAG
AAAGGGAATTGTAGGAGACTGGAGGAACCACTTCCCTGAAGCCCTGAGGGAGAGATTTGAGGAGCACTAC
CAGCGGCATATGAAGGACTGCCCTGTGAAGTTTAGAGCAGAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001007718
Insert Size:	888 bp



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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:	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:	<u>NM_001007718.2, NP_001007719.1</u>
RefSeq Size:	1303 bp
RefSeq ORF:	888 bp
Locus ID:	360268
Cytogenetics:	14p21
Gene Summary:	isozyme that catalyzes the sulfation of estrogens, including beta-estradiol and estrone, but not of dehydroepiandrosterone, pregnenolone, cortisol or testosterone; plays a role in estrogen metabolism [RGD, Feb 2006]