

Product datasheet for **RN215506**

Slc25a15 (NM_001047880) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a15 (NM_001047880) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a15
Synonyms:	Ab1-114; Ornt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215506 representing NM_001047880 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTCCAATCCAGCCATCCAAGCTGCCATCGACCTCACGGCAGGGGCCGAGGGGGCACAGCATGCG
 TCCTGACTGGGCAGCCCTTCGACACCATGAAGGTGAAGATGCAGACATTTCCAGACCTCTACCGCGGCCCT
 CACTGACTGCTGCCTGAGGACCTACTCCCAGGTGGGCTTCAGAGGCTTCTACAAGGGGACCAGCCCCGCA
 CTGATCGCCAATATCGCAGAGAACTCGGTGCTTTTCATGTGTTACGGCTTCTGCCAGCAGGTGGTCCGCA
 AAGTGGTTGGATTGGACCGGCAGGCAAACTGAGTGACCTTCAGAACGCAGCTGCTGGCTCCTTTGCTTC
 TGCTTTTGCCGCTCTGGTTCTCTGCCCTACAGAGCTTGTGAAGTGCCGGCTACAGACCATGTATGAAATG
 GAGACGTCGGGAAAGATAGCGGCCAGCCAGAATACAGTTTGGTCAGTCGTGAAGGAAATCTTCAGGAAGG
 ATGGCCCCCTGGGTTTCTACCATGGCCTCTCAAGCACTTTACTTCGAGAAGTACCAGGCTATTTCTTCTT
 CTTTGGTGGCTATGAACTGAGCAGATCATTTTTCGCATCAGGGAGATCCAAAGATGAACTGGGTCCTATC
 CCGCTCATGCTAAGTGGTGGATTGGTGGGATTGCCTGTGGCTTGCTGTGTATCCGGTGGATTGTATCA
 AATCTAGAATTCAAGTTCTTTCTATGACCGGAAAGCAGACGGGACTCATCAGAACCTTCCTGAGTATCGT
 AAAGAATGAAGGAGGATACAGACTTTTCAGAGTCACGGCTCTATGACGTCAGCTTCGTGCAGCCAAAGACC
 TGTCTTTCTGGTGTCCACTATGTAGGCATCTTAAACTAGGGTTACGGGAAGGAATAACAGCCTTGATT
 CTGGACTGAAACCCACCATGATCCGCGCTTCCCTGCCAACGGGGCACTGTTTTTGGCCTACGAGTATAG
 CAGGAAGTTGATGATGAGCCAACCTGGAAGCATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001047880
Insert Size:	1017 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:	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_001047880.2, NP_001041345.1</u>
RefSeq Size:	1058 bp
RefSeq ORF:	1017 bp
Locus ID:	306574
Cytogenetics:	16q12.5
Gene Summary:	Ornithine-citrulline antiporter. Connects the cytosolic and the intramitochondrial reactions of the urea cycle by exchanging cytosolic ornithine with matrix citrulline. The stoichiometry is close to 1:1.[UniProtKB/Swiss-Prot Function]