

Product datasheet for RN213746

Psat1 (NM_198738) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psat1 (NM_198738) Rat Untagged Clone
Tag: Tag Free
Symbol: Psat1
Synonyms: Psa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213746 representing NM_198738
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGCCACCAAGCAAGTGGTAACTTTGGGCCGGCCCTGCTAAGCTGCCGACTCGGTATTGTTAG
AGATACAGAAGCAGCTACTGGACTACAAAGGACTTGGCATCAGTGTGCTTGAATGAGTCACAGGTCACC
AGATTTCCGCAAGATTATTAGCAACACAGAGAATCTTGTGAGGGAATTGCTAGTTGTTCCCAACACTAC
AAGGTGATCTTTGTACAAGGAGGTGGGACTGGCCAGTTCAGTGCCGTCCCCTAAATCTGATTGGCCTGA
AAGCTGGAAGGTGTGCCGACTACGTGGTGACCGGGCTTGGTCAGCTAAGGCTGCCGAAGAAGCCAAGAA
GTTTGGGACTGTGAACATTGTTTCATCCTAACTTGAAGTTACACAAAAATTCCAGACCCAAGCACCTGG
AACCTCAACCCGGACGCCTCCTACGTGTACTTCTGTGCAAACGAGACTGTGCATGGCGTGGAGTTTGACT
TCATACCTGACGTCAAGGGAGCAGTGTGGTCTGTGACATGTCTCAAACCTCTTATCCAGGCCAGTGGA
CGTTTCCAAGTTTGGTGTGATTTTCGCTGGTGTCTCAGAAGAATGTTGGCTCTGCTGGGGTGACGGTAGTG
ATTGTCGTGATGACCTGCTGGGTTCCGCCATCAGAGAGTGCCCATCAGTCCCTGACTACAAAGTGCAGG
CTGGGAACAACCTTTGTATAACACACCTCCATGCTTCCAGCATCTACGTCATGGACATGGTCTCGGAATG
GATCAAGAACAATGGTGGGCGCGACCCATGGAGAAGCTCAGCTCCGTCAAATCCCAAATGATTTATGAG
ATTATTGATAATTCTCAAGGATTTTATGTGTGTCGGTGGAGCGCCAGAATAGAAGCAGGATGAACATTC
CGTTTCGATTGGTAACAGCAAAGGGGATGAAGCTCTGGAGAAGCGATTTCTTGACAAGGCCGTAGAAT
CAACATGATCTCCTTGAAGGGGCACAGGTCGGTGGGCGGCATCCGAGCGTCTCTGTATAATGCTGTCACC
ACTGAAGATGTGGAGAAGTTGGTGCCTTCATGAAGAAGTTCTGGAGATGCATCAGCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_198738



Insert Size:	1113 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:	<u>NM_198738.2, NP_942033.2</u>
RefSeq Size:	2079 bp
RefSeq ORF:	1113 bp
Locus ID:	293820
Cytogenetics:	1q43
Gene Summary:	human homolog catalyzes the conversion of O-phospho-L-serine and 2-oxoglutarate to 3-phosphonoxyypyruvate and L-glutamate in the second step of serine biosynthesis [RGD, Feb 2006]