

Product datasheet for RN211806

Epsti1 (NM_001044257) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Epsti1 (NM_001044257) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Epsti1
 Synonyms: RGD1563207
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN211806 representing NM_001044257
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACCCCGCAGTAGGGTGGTGGGCCAGGCTTGGGCACTTCCTCCAGCTCTCGGGACCACGCTGGAG
 CAGGGCAGCATGGGGAGCTGGACCTGCAGCAAAACCAGAGACAGAATTTGGAGGTGGCAGAGCCCAAGG
 CCCTAAGTTGGAGAGGCAGGGGCATGGTGACCAGAGGAGCACAGGCACATACACCCTGATAGCACCGAAC
 GAGACCCGGAGGCAGAAGATACAGAGAATTGCTGAGCAAGAAGCTGGCGGACTTGGAGAGGTGGAAGCAAC
 AGAACAAGGCAAAACCAGTCCACTTGGTTCCGCAAAAGGCTGGGTGGAAGCCAGTCTGAGGCTGAAGTCAG
 GCAGAAACAACAGCTCCAACAGATGCGATCTAAATACCAGCAAAAGCTAAAGAGAGATGAAGCTATTCGA
 ATCAGGAAGGATGCTGAGGAAGCTGAGCTCCAAGAATGAAGGCAATCCAGAGGGAGAAGAGTAATAAAC
 TAGAAAAGAAAAGCAACTTCAGGAAGACATCAGAAGAGCCACTTTCGAGAGCACCATCAGTCCAAAAC
 TGCTGAGCTCTTGAGCAGACTGGACACAGACCCGGACAAACAGAAGTGCTTGTAACTTGTCTCCCGCT
 GCCCAGTCTCAAGATGAAAACCTCCAGTCTGCTTAGAGACCCAGCAGGGCTGGTAGCCAAGCACACA
 AGGATTCACACAGAAGGAAGACAACCAAAAACCTGCAAAAGACGAGGGACGGACATCAGAAGAATAAATT
 ACTGAAAACAAAGGACAGCACCAGGAGGAAGAAAGAGCCAAATCCATCAAGCTGAGCACTGGAGGGTA
 AATAATGCTTTTCTGGACCGACTCCAAGGCAAAAGTCAACCAGGTGGCGTTGAGCAGTCTGGAGGCTGTT
 GGAATATGAATAGTACTGACGGCTGGGTATATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001044257
 Insert Size: 945 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:	<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:	NM_001044257.1 , NP_001037722.1
RefSeq Size:	1582 bp
RefSeq ORF:	945 bp
Locus ID:	498547
UniProt ID:	Q5BK43
Cytogenetics:	15q11
Gene Summary:	Plays a role in M1 macrophage polarization and is required for the proper regulation of gene expression during M1 versus M2 macrophage differentiation (By similarity). Might play a role in RELA/p65 and STAT1 phosphorylation and nuclear localization upon activation of macrophages (By similarity).[UniProtKB/Swiss-Prot Function]