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Product datasheet for MC205041

Phax (NM_019996) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phax (NM_019996) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phax
Synonyms:	2810055C14Rik; 4933427L19Rik; AU018701; AU018854; D18Ertd65e; p55; Rnuxa
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC049590 GCGCGCCGCGGGAAGATGGCGCTGGAAGCTGGCGACATGGAAGAGGGGCAGCTTTCCGACTCGGATTCCG ACATGACGGTCGTCCCCAGCGATAGGCCTCTGCAAATGGCGAAAGTCCTAGGTGGGGGCAGCGCTGCGTG CGCACCGGTGTCACATTATCGGACTGTTAAACATGTGGACTCCAGCGAGGAGAGTCTAGATTCCGATGAC GATTGCTCTCTTTGGAAACGCAAGCGACAGAAGTGTCATAATACTCCTCCCAAGCCAGAGCCTTTCCCAT TTGGACCAAGTGGTCAGAAAACGGCTCTCAACGGAGGAAAGAAGGTGAACAACATCTGGGGCGCGGTGCT CCAGGAACAGAATCAAGATGCGGTGGCCACTGAACTCGGCATCTTGGGAATGGAAGGCTCCATTGACAGA AGCAGGCAGTCTGAGACCTATAACTATTTGCTTGCTAAGAAACTTGCTAAGAAGGAATCTCAAGAGTACA CAAAGGAATTAGACAAAGATCTAGATGAATATATGCATGGTGACAAAAAACCAGGGTCAAAGGAAGACGA GAATGGGCAAGGTCACCTCAAGCGGAAACGACCTGTCAGAGACAGACTGGGTAACAGAGTGGAAATGAAC TACAAAGGGCGCTATGAGATCACAGAAGAGGATGCTCCCGAGAAAGTAGCCGATGAGATCGCCTTCAGGT TGCAGGAACCCAAGAAGGACCTGATAGCCCGAGTAGTGAGGATACTTGGGAACAAAAAGGCCATTGAACT TCTGATGGAAACAGCTGAAGTCGAGCAAAATGGTGGTCTTTTCATAATGAATGGTAGCCGAAGAAGAACA CCCGGTGGAGTCTTTCTGAATCTCCTGAAGAACACACCCAGCATCAGCGAGGAACAGATTAAGGACATTT TCTACGTTGAAAATCAAAAGGAATATGAAAATAAAAAAGCTGCTAGAAAAAGAAGAACACAGCTTTTGGG GAAGAAAATGAAACAAGCTATTAAAAGTCTGAACTTCCAGGAGGACGATGACACATCTCGAGAAACGTTT GCAAGTGACACTAATGAGGCCCTGGCCTCTCTCGACGAAGCCCAGGAAGGACCTGGCGAGACCAAGCTGG ATGCTGAGGAGGCCATTGAGGTGGACCACCCTCAGGACTTGGACATCTTCTGAGCACACTGGGGACATTT TGAAGAATAAACCTTTGTTTAAAAAGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	SfiI-SfiI
ACCN:	NM_019996
Insert Size:	1158 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC049590, AAH49590
RefSeq Size:	1248 bp
RefSeq ORF:	1158 bp
Locus ID:	56698
UniProt ID:	Q9JJT9
Cytogenetics:	18 30.63 cM
Gene Summary:	A phosphoprotein adapter involved in the XPO1-mediated U snRNA export from the nucleus. Bridge components required for U snRNA export, the cap binding complex (CBC)-bound snRNA on the one hand and the GTPase Ran in its active GTP-bound form together with the export receptor XPO1 on the other. Its phosphorylation in the nucleus is required for U snRNA export complex assembly and export, while its dephosphorylation in the cytoplasm causes export complex disassembly. It is recycled back to the nucleus via the importin alpha/beta heterodimeric import receptor. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Its compartmentalized phosphorylation cycle may also contribute to the directionality of export. Binds strongly to m7G-capped U1 and U5 small nuclear RNAs (snRNAs) in a sequence-unspecific manner and phosphorylation-independent manner. Plays also a role in the biogenesis of U3 small nucleolar RNA (snoRNA). Involved in the U3 snoRNA transport from nucleoplasm to Cajal bodies. Binds strongly to m7G-capped U3, U8 and U13 precursor snoRNAs and weakly to trimethylated (TMG)-capped U3, U8 and U13 snoRNAs. Binds also to telomerase RNA (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).