

Product datasheet for **RN205780**

Phex (NM_013004) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phex (NM_013004) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phex
Synonyms:	PEX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205780 representing NM_013004
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCAGAAGCAGGGAGCACCATGGAGACTGGAAAGGGGACCAACCGAGGCATTCGGATTGCACTGG
 CCCTGTTCACTACTGGCACCCCTGGTGTGGGCACACTGCTCTTTCTAGTGAGTCAAGGTCTCCTAAGTTT
 CCAAGCTAAACAGGAGTACTGCCTGAAGCCAGAATGCATTGAAGCCGCTGCTGCCATCATGAGCAAAGTA
 AATCTTTCTGTGGATCCTTGTGAGAATTTTTCCGGTTTGCTTGTGATGGCTGGATAAGCAATAACCCAA
 TTCCTGAAGATATGCCAAGCTATGGGGTTATCCTTGGCTGAGACACAATGTTGACCTCAAGTTGAAGGC
 ACTTCTGGAGAAATCAGTCAGTCGAAGGCGGGACACTGAAGCTGTACAGAAAGCCAAAATCCTTTATTCA
 TCCTGCATGAATGAGAAAGCGATTGAAAAGCAGATGCCAAACCACTGCTCCACATCTTGAGGCATTAC
 CTTTCCGCTGGCCCGTGTGAAGCTAATTTGGTCTGAAGGGTTTGGTCAGAGAGAAAATTCAGTTT
 ACTGCAAACTGGCAACATTCGCGGTCAATACAGCAATCTGTGTTCCATCCGTTTGTACGTGTCCCT
 GAGCACAAGGCATCCAATGAGCATATCTGAAGTTGGACCAAGCAACACTCTCCCTGGCTGTGAGGGGAA
 ACTTTCTGGATAACACTACCGAAGCCAAATCTTATCGTGTGCCCCTTTACAAATTCATGGTGGACTGC
 TGTGCTTTTAGGAGCTAATAGCTCTCGAGCTGAACATGACATGAAGTCAGTGCTTAGACTGGAAATTAAG
 ATAGCTGAGATAATGATTCACATGAGAACCGAACAGTGAGGCTATGTATAACAAAATGAACATCTCAG
 AGCTCAGTGCTATGATCCCCAGTTTACTGGCTGGGCTATATCAAGAAGGTCATTGATACCAGACTCTA
 CCCACACTTGAAGACATTTGGCCCTCGGAGAAATGTGGTGGTGGCGTCCCACAATACTTTAAAGATTTG
 TTTAGGATATTAGGTGCTGAAAGGAAGAAAACCAATGCCAATTTTGGTGTGGAGAATGGTTTATTCCA
 GAATCCAAACCTCAGCAGGCGCTTTCAATATAGATGGCTGGAATCTCAAGGTAATCCAGGGGACAAC
 AACTCTGCTGCCTCAGTGGGACAAATGTGTTAACTTTATCGAAAGTGCCCTCCCTTATGTTGTGGGGAAA
 ATGTTTGTGAATGTTCACTTCCAGGAAGATAAAGAAAGAAATGATGGAAGAATTGATTGAGGGTGTTCGCT
 GGGCCTTCATTGACATGCTGGAGAAAGAAAATGAATGGATGGATGCAGGGACAAAAGGAAAGCTCAAGA
 AAAGGCAAGAGCTGTTTTGGCAAAAGTTGGCTATCCAGAGTTTATAATGAATGATACTTATGTTAATGAA
 GACCTCAAGGCAATCAAATTTTCAGAATCGGACTACTTTGGCAACGTACTGCAAACCCGCAAGTATTAG
 CACAGTCTGATTTCTTCTGGCTAAAAAAGCTGTTCCCAAAACAGAGTGGTTTACAAACCAACAACGGT
 CAATGCCTTTTACAGTGCATCTACCAACCAATACGATTTCTGCTGGAGAGCTGCAGAAGCCTTTCTTT
 TGGGGAACAGAATACCCTCGATCTCTGAGTTACGGTGCTATAGGAGTAATTGTGGGGCACGAATTTACAC
 ATGGATTTGATAATAATGGTAGAAAATATGATAAAAATGGAAACCTTGATCCGTGGTGGTCTGTGGACTC
 TGAAGAAAAGTTAAGGAAAAACAATAATGCATGATTAACCAAGTATAGCAACTATTATTGGAAGAAAGCC
 GGCTTAAATGTGAAGGGGAAAAGGACCTTGGGAGAAAATATTGCTGATAATGGAGGTCTTCGAGAAGCTT
 TTAGGGCTTACAGGAAATGGATAAATGATAGAAGACAGGGAGTTGAAGAGCCCCTCCTACCAGGCATCAC
 ATTCACCAACAATCAGCTCTTCTTCTGAGTTATGCTCACGTGAGGTGCAATTCCTACAGACCGGAAGCT
 GCCAGAGAACAAGTCAAATTTGGTGCTCACAGTCTCCACAATTTAGAGTCAATGGTGCCATTAGCAACT
 TTGAAGAATTTAGAAAAGCTTTTAACTGTCCGGCAAATTCACCATGAACAGAGGTGCAGATTCTGCCG
 ACTCTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013004
Insert Size: 2250 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:	NM_013004.1 , NP_037136.1
RefSeq Size:	4245 bp
RefSeq ORF:	2250 bp
Locus ID:	25512
Cytogenetics:	Xq21
Gene Summary:	may play a role in the regulation of Pi homeostasis; may mediate mineralization process in the bone; mutations in human cause X-linked hypophosphatemia (XLH), a renal phosphate (Pi)-wasting disorder with defective bonemineralization [RGD, Feb 2006]