

Product datasheet for **RN212310**

Chp2 (NM_182738) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chp2 (NM_182738) Rat Untagged Clone
Tag: Tag Free
Symbol: Chp2
Synonyms: chp-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212310 representing NM_182738
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTCACGGAGCTCTCATGTCGCGCTATTCTGTGTGGACCAAATTCGCAGAGAGACGGGCTTCT
CCCAAGCTAGCCTGCTCCGTCTCTACCACAGTTCCAAGCCCTAGACAGGGAGGAAAAGGGCTTCTCTGAG
CCGCCTAGACCTCCAGCAGATTGGAGCCCTGGCTGTGAACCCCTGGGTGACCGCATTATAGACAGCTTC
TTCCCCAATGGGAGTCAGAGAGTGTATTCGCAGGCTTTGCCAGAGTCTGGCTTATTTTCGACCTATAG
ATGAAGACGATGCCACACTCCGAGACCCCAAGCAACCTGAACCCCTAAACAGCAGAATGAATAAACTGCG
CTTTGCATTTTCAGCTCTATGATCTGGATCGGGATGGGAAGATCTCCAGGAATGAAATGCTACAGGTTCTC
CGCCTCATGGTTGGGTCAGGTCAGACGAGCAGTTGGAGAGCATCACAGACCGCACAGTGCAGGAAG
CCGATGAAGATGGGATGGGCGCGTCTCTTCTGGAGTTCGCCAAGTCTTAGAGAAGTGAACATCGA
GCAGAAGATGAGCATCCGGATCCTGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_182738
Insert Size: 591 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).



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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_182738.1</u> , <u>NP_877402.1</u>
RefSeq Size:	1257 bp
RefSeq ORF:	591 bp
Locus ID:	308965
UniProt ID:	<u>Q810D1</u>
Cytogenetics:	1q36
Gene Summary:	cofactor for catalysis of the electroneutral exchange of Na ⁺ and H ⁺ mediated by the Na ⁺ /H ⁺ exchanger (NHE) family of membrane proteins [RGD, Feb 2006]