

Product datasheet for **RN208960**

Kxd1 (NM_001025143) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kxd1 (NM_001025143) Rat Untagged Clone
Tag: Tag Free
Symbol: Kxd1
Synonyms: Kxd1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN208960 representing NM_001025143
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACCCAGACTCAGCCTCAAGGGTCTTCTGTGGCCGTTCTCTCAGCATGGTGAACACTGATGACG
TCAACGCCATAATTCTGGCCAGAAGAACATGCTGGACCGCTTCGAGAAAACCAACGAGATGCTTCTGAA
CTTCAACAATCTGTCCAGCGTCCGGCTGCAGCAGATGAGCGAGCGCTTCATGCACCACACCCGCACCTG
GTGGACATGAAACGGGACCTGGACAGCATCTCCGCAGGATCAGGACACTGAAGGGGAAGCTGGCCCGGC
AGCACCCAGAGGCCTTCAGCCACATCCCAGAGGGTTCCTCCTAGAGGACGAAGATGAAGACCCTGTTC
ACCCAGTATACCCACAACCATCGCCACCTCAGAGCAGAGCACAGGGTCTGTGACACCAGCCCTGACT
GCCTCTCCATCCTTCAGTCTGGCTTTGAGGACCTATCACACATTCGACCTGGCTCTCCTGCCATCAATG
GCCACAGCCAAACAGATGATGAGGAAGAAACACGTGAAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025143
Insert Size: 534 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_001025143.1, NP_001020314.1</u>
RefSeq Size:	1219 bp
RefSeq ORF:	534 bp
Locus ID:	498606
UniProt ID:	<u>Q5M853</u>
Cytogenetics:	16p14
Gene Summary:	As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor. May also be involved in the biogenesis of lysosome-related organelles such as melanosomes. [UniProtKB/Swiss-Prot Function]