

## Product datasheet for **RG229638**

### **C19orf50 (KXD1) (NM\_001171949) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C19orf50 (KXD1) (NM\_001171949) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** KXD1  
**Synonyms:** BORCS4; C10orf50; C19orf50; KXDL; MST096; MSTP096  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229638 representing NM\_001171949  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACCTCCCGACTCGGCCTCGAGGGTCTTCTGCGGCCGCATCCTGAGCATGGTGAACACAGATGATG  
 TCAACGCCATCATCTGGCCCAGAAGAACATGCTGGACCGCTTTGAGAAGACCAATGAGATGCTGCTCAA  
 CTTCAACAACCTGTCCAGTGCCCGCTGCAGCAGATGAGCGAACGCTTCTGCACCACACGAGGACCCTA  
 GTAGAGATGAAACGGGACCTGGACAGCATCTCCGCCGTATCAGGACGCTGAAAGGGAACTGGCCAGGC  
 AGCACCCAGAGGCCTTCAGCCATATCCCAGAGGCATCCTTCTGGAGGAAGAGGATGAAGACCCCATCCC  
 ACCCAGCACCACGACCACCATTCACCTCAGAACAGAGCACGGGCTCATGTGACACCAGCCCCGACACC  
 GTCTCGCCCTCCCTGAGCCCCGGCTTCGAGGACCTGTCCCATGTCCAGCCTGGCTCCCCAGCCATCAACG  
 GCCGACCCAGACAGATGACGAGGAGATGACGGCGCAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG229638 representing NM\_001171949  
 Red=Cloning site Green=Tags(s)  
 MDLPDSASRVFCGRILSMVNTDDVNAIILAQKNMLDRFEKTNEMLLNFNNLSSARLQQMSERFLHHTRTL  
 VEMKRDLDISIFRRIRTLKGLARQHPEAFSHIPEASFLLEEDEDPIPPSTTTTIIATSEQSTGSCDTPDPT  
 VSPSLSPGFEDLSHVQPGSPAINGRSQTDDEEMTGE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001171949.1, NP_001165420.1</u>
<b>RefSeq Size:</b>	1496 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	79036
<b>UniProt ID:</b>	<u>Q9BQD3</u>
<b>Cytogenetics:</b>	19p13.11
<b>Gene Summary:</b>	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 (PubMed:25898167). May be involved in the biogenesis of lysosome-related organelles such as melanosomes (By similarity).[UniProtKB/Swiss-Prot Function]