

# **Product datasheet for RG229638**

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# 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 >RG229638 representing NM\_001171949
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GCCGCAGCCAGACAGATGACGAGGAGATGACGGGCGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229638 representing NM\_001171949

Red=Cloning site Green=Tags(s)

MDLPDSASRVFCGRILSMVNTDDVNAIILAQKNMLDRFEKTNEMLLNFNNLSSARLQQMSERFLHHTRTL VEMKRDLDSIFRRIRTLKGKLARQHPEAFSHIPEASFLEEEDEDPIPPSTTTTIATSEQSTGSCDTSPDT

VSPSLSPGFEDLSHVQPGSPAINGRSQTDDEEMTGE

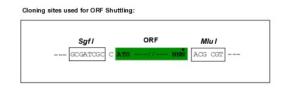
TRTRPLE - GFP Tag - V

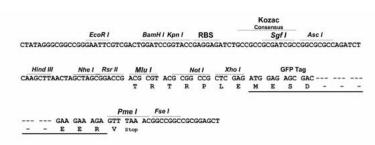
**Restriction Sites:** Sgfl-Mlul



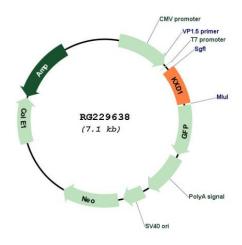


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_001171949

ORF Size: 528 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.



## C19orf50 (KXD1) (NM\_001171949) Human Tagged ORF Clone - RG229638

**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.

RefSeq: <u>NM 001171949.1</u>, <u>NP 001165420.1</u>

RefSeq Size: 1496 bp
RefSeq ORF: 531 bp
Locus ID: 79036
UniProt ID: Q9BQD3
Cytogenetics: 19p13.11

**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

(PubMed:25898167). May be involved in the biogenesis of lysosome-related organelles such

as melanosomes (By similarity).[UniProtKB/Swiss-Prot Function]