

## Product datasheet for **RC204663**

### HIGD1B (NM\_016438) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HIGD1B (NM\_016438) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HIGD1B  
**Synonyms:** CLST11240; CLST11240-15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC204663 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGCTAACAGACGCTGGTGGGTACCACCTGACGACGAAGACTGTGTGTCTGAGAAGCTCCTGAGGA  
AGACTCGGAATCTCCACTGGTGCCTATAGGCTTAGGAGGCTGCTTGGTGGTAGCAGCATACAGGATTTA  
CCGGCTGAGGTCTCGTGGTCCACCAAGATGTCCATACACCTGATTCACACCCGAGTGGCAGCGCAGGCC  
TGTGCAGTGGGTGCAATCATGCTAGGTGCTGTGTACACAATGTACAGCGATTACGTCAAGAGGATGGCAC  
AGGATGCTGGAGAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC204663 protein sequence  
Red=Cloning site Green=Tags(s)  
MSANRRWWVPPDDEDCVSEKLLRKTRESPLVPIGLGGCLVVAAYRIYRLRSRGSTKMSIHLIHTRVAAQA  
CAVGAIMLGAVYTMYSYVYKRMADAGEK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6551\\_f06.zip](https://cdn.origene.com/chromatograms/mk6551_f06.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_016438

**ORF Size:** 297 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.

**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:** [NM\\_016438.4](#)

**RefSeq Size:** 642 bp

**RefSeq ORF:** 300 bp

**Locus ID:** 51751

UniProt ID: [Q9P298](#)

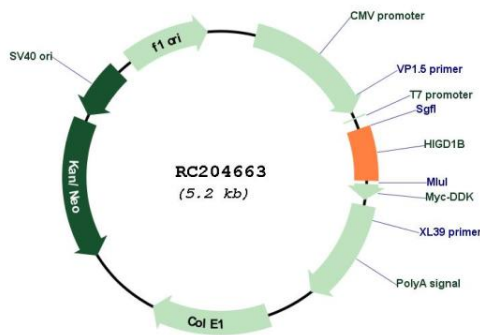
Cytogenetics: 17q21.31

Protein Families: Transmembrane

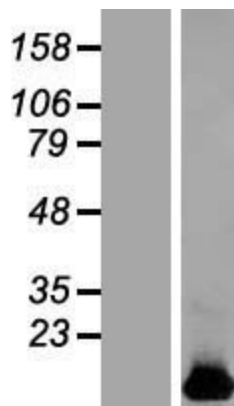
MW: 11.1 kDa

Gene Summary: This gene encodes a member of the hypoxia inducible gene 1 (HIG1) domain family. The encoded protein is localized to the cell membrane and has been linked to tumorigenesis and the progression of pituitary adenomas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

### Product images:



Circular map for RC204663



Western blot validation of overexpression lysate (Cat# [LY414022]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204663 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).