

Product datasheet for **RC231446**

HYDIN (NM_001198543) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HYDIN (NM_001198543) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HYDIN
Synonyms:	CILD5; HYDIN1; HYDIN2; PPP1R31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC231446 representing NM_001198543
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC231446 representing NM_001198543
 Red=Cloning site Green=Tags(s)

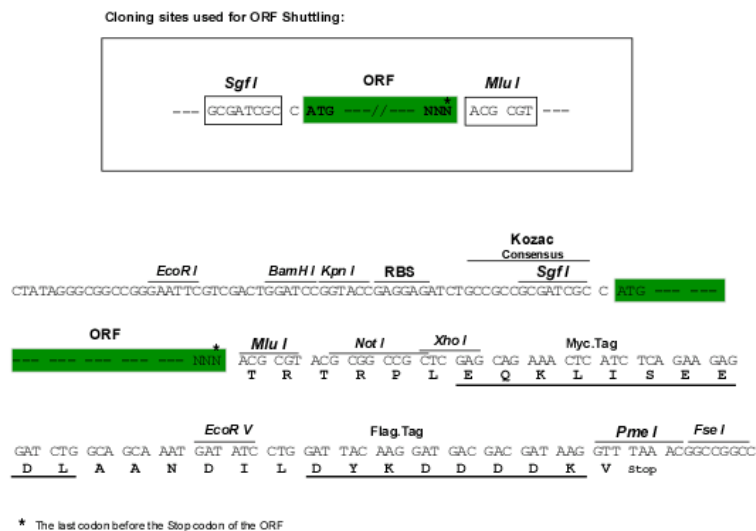
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Restriction Sites:

SgfI-MluI

Cloning Scheme:

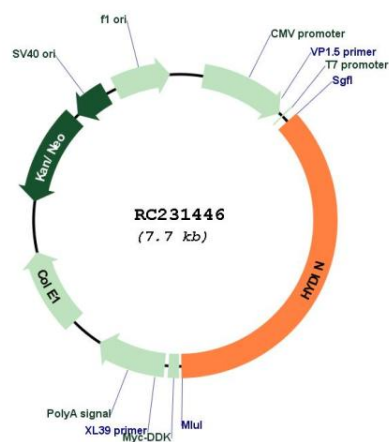


ACCN: NM_001198543

ORF Size: 2820 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001198543.1 , NP_001185472.1
RefSeq ORF:	2823 bp
Locus ID:	54768
UniProt ID:	Q4G0P3
Cytogenetics:	16q22.2
MW:	105.8 kDa
Gene Summary:	This gene encodes a protein that may be involved in cilia motility. Mutations in this gene cause of autosomal recessive primary ciliary dyskinesia-5, a disorder characterized by the accumulation of cerebrospinal fluid within the ventricles of the brain. A duplicate copy of this gene has been found in humans on chromosome 1. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RC231446