

Product datasheet for **RC200761**

HIC5 (TGFB111) (NM_015927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIC5 (TGFB111) (NM_015927) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HIC5
Synonyms:	ARA55; HIC-5; HIC5; TSC-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC200761 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAAGGTCAGGGCTCCCAAAGAGCGCCCTGCGGAGCCTCTCACCCCTCCCCATCCTATGGCCACC
 AGCCACAGACAGGTCTGGGAGTCTTCAGGAGCCTCGGGGACAAGACCACCTGTACAGCACGGTATG
 CAAGCCTCGGTCCCCAAAGCCTGCAGCCCGCGGCCCTCCATTCTCCTCTCCAGCGGTGCTTGGGT
 ACCGGGCTCTGTGAGCTAGATCGGTTGCTTCAGGAACTTAATGCCACTCAGTTCAACATCACAGATGAAA
 TCATGTCTCAGTCCCATCTAGCAAGGTGGCTTCAGGAGAGCAGAAGGAGGACCAGTCTGAAGATAAGAA
 AAGACCCAGCCTCCCTCCAGCCCGTCTCCTGGCCTCCCAAAGGCTTCTGCCACCTCAGCCACTCTGGAG
 CTGGATAGACTGATGGCCTCACTCTGACTTCCGCGTTCAAACCATCTCCAGCCTCTGGGCAACTC
 AGCCACCGGTGGTGAAGTCCACAATGAGGGCTCCCCATCCCACCAGAGCCGACTGGCAAGGGCAGCCT
 AGACACCATGCTGGGGCTGCTGCAGTCCGACCTCAGCCGCGGGGTGTTCCACCAGGCCAAAGGCTC
 TGTGGCTCCTGCAATAAACCTATTGCTGGGCAAGTGGTGACGGCTCTGGGCCGCGCTGGCACCCCGAGC
 ACTTCGTTTTCGGGAGGCTGTTCCACCGCCTGGGAGGCAGCAGCTTCTCGAGAAGGATGGAGCCCCCTT
 CTGCCCGAGTGCTACTTTGAGCGCTTCTCGCAAAGATGTGGCTTCTGCAACCAGCCATCCGACACAAG
 ATGGTGACCGCCTTGGGCACTACTGGCACCCAGAGCATTTCTGCTGCGTCAGTTGCGGGAGCCCTTCG
 GAGATGAGGGTTTCCACGAGCGCGAGGGCCGCCCTACTGCCCGCGGACTTCTGCAGCTGTTCCGCCCC
 GCGCTGCCAGGGTCCAGGGCCCCATCCTGGATAACTACATCTCGGCGCTCAGCGCGCTCTGGCACCCG
 GACTGTTTCGCTGCAGGAATGCTTCGCGCCTTCTCGGGAGGCAGCTTTTTCGAGCACGAGGGCCGCC
 CGTTGTGCGAGAACCCTCCACGCACGACGCGGCTCGCTGTGCGCCAGTGTGGCCTCCCTGTGACCCG
 CCGCTCGGTGTCGGCCCTGGGTGCGCGCTTCCACCCGGACCACTTACATGCACCTTCTGCCTGCGCCCG
 CTCACCAAGGGTCTTCCAGGAGCGCGCCGCAAGCCCTACTGCCAGCCCTGCTTCTGAAGCTCTTCG
 GC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200761 protein sequence
 Red=Cloning site Green=Tags(s)

MPRSGAPKERPAEPLTPPPSYGHQPQTGSGESSGASGDKDHLYSTVCKPRSPKPAAPAAPPFSSSSGVLG
 TGLCELDRLQLLNATQFNITDEIMSQFPSSKVASGEQKEDQSEDKRSLPSSPSPGLPKASATSATLE
 LDRLMASLSDFRVQNHLPASGPTQPPVVSSTNEGSPSPPEPTGKGLDMLGLLQSDLRRRGVPTQAKGL
 CGSCNKPIAGQVVTALGRAWHPEHFVCGGCSTALGGSSFFEKDGAPFCPECYFERFSPRCGFNCQPIRHK
 MVTALGTHWHEHFCCVSCGEPFGDEGFHEREGRPYCRRDFLQLFAPRCQGCQGPILDNYISALSALWHP
 DCFVCRECFAPFSGGSFFEHEGRPLCENHFHARRGSLCATCGLPVTGRCVSALGRRFHPDHFTCTFLRP
 LTKGSFQERAGKPYCQPCFLKFLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6154_g10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_015927

ORF Size: 1332 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

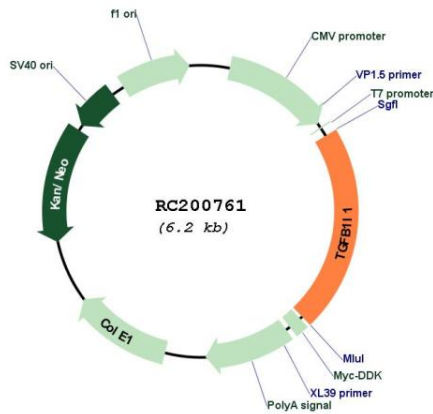
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

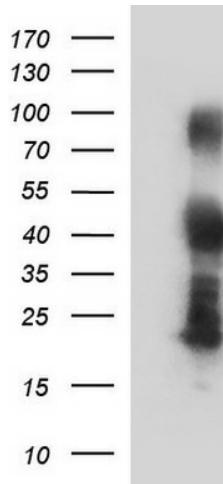
RefSeq: [NM_015927.4](#)
RefSeq Size: 1812 bp
RefSeq ORF: 1335 bp
Locus ID: 7041
UniProt ID: [O43294](#)
Cytogenetics: 16p11.2
Protein Families: Druggable Genome, Transcription Factors
MW: 47.9 kDa

Gene Summary: This gene encodes a coactivator of the androgen receptor, a transcription factor which is activated by androgen and has a key role in male sexual differentiation. The encoded protein is thought to regulate androgen receptor activity and may have a role to play in the treatment of prostate cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

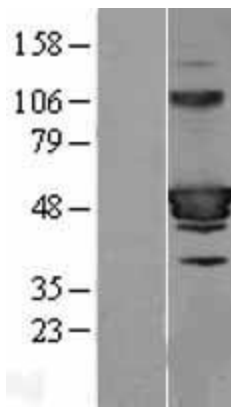
Product images:



Circular map for RC200761



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TGFB111 (Cat# RC200761, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TGFB (Cat# [TA590254]). Positive lysates [LY402475] (100ug) and [LC402475] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY431927]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228899] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TGFB111 protein (Cat# [TP300761]). The protein was produced from HEK293T cells transfected with TGFB111 cDNA clone (Cat# RC200761) using MegaTran 2.0 (Cat# [TT210002]).