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Product datasheet for RC228899

HIC5 (TGFB1I1) (NM_001164719) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIC5 (TGFB1I1) (NM_001164719) 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:

>RC228899 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAAGGTCAGGGGCTCCCAAAGAGCGCCCTGCGGAGCCTCTCACCCCTCCCCCATCCTATGGCCACC
AGCCACAGACAGGGTCTGGGGAGTCTTCAGGAGCCTCGGGGGACAAGGACCACCTGTACAGCACGGTATG
CAAGCCTCGGTCCCCAAAGCCTGCAGCCCCGGCGGCCCCTCCATTCTCCTCTTCCAGCGGTGTCTTGGGT
ACCGGGCTCTGTGAGCTAGATCGGTTGCTTCAGGAACTTAATGCCACTCAGTTCAACATCACAGATGAAA
TCATGTCTCAGTTCCCATCTAGCAAGGTGGCTTCAGGAGAGCAGAAGGAGGACCAGTCTGAAGATAAGAA
AAGACCCAGCCTCCCTTCCAGCCCGTCTCCTGGCCTCCCAAAGGCTTCTGCCACCTCAGCCACTCTGGAG
CTGGATAGACTGATGGCCTCACTCTCTGACTTCCGCGTTCAAAACCATCTTCCAGCCTCTGGGCCAACTC
AGCCACCGGTGGTGAGCTCCACAAATGAGGGCTCCCCATCCCCACCAGAGCCGACTGGCAAGGGCAGCCT
AGACACCATGCTGGGGCTGCTGCAGTCCGACCTCAGCCGCCGGGGTGTTCCCACCCAGGCCAAAGGCCTC
TGTGGCTCCTGCAATAAACCTATTGCTGGGCAAGTGGTGACGGCTCTGGGCCGCGCCTGGCACCCCGAGC
ACTTCGTTTGCGGAGGCTGTTCCACCGCCCTGGGAGGCAGCAGCTTCTTCGAGAAGGATGGAGCCCCCTT
CTGCCCCGAGTGCTACTTTGAGCGCTTCTCGCCAAGATGTGGCTTCTGCAACCAGCCCATCCGACACAAG
ATGGTGACCGCCTTGGGCACTCACTGGCACCCAGAGCATTTCTGCTGCGTCAGTTGCGGGGAGCCCTTCG
GAGATGAGGGTTTCCACGAGCGCGAGGGCCGCCCCTACTGCCGCCGGGACTTCCTGCAGCTGTTCGCCCC
GCGCTGCCAGGGCTGCCAGGGCCCCATCCTGGATAACTACATCTCGGCGCTCAGCGCGCTCTGGCACCCG
GACTGTTTCGTCTGCAGGGAATGCTTCGCGCCCTTCTCGGGAGGCAGCTTTTTCGAGCACGAGGGCCGCC
CGTTGTGCGAGAACCACTTCCACGCACGACGCGGCTCGCTGTGCGCCACGTGTGGCCTCCCTGTGACCGG
CCGCTGCGTGTCGGCCCTGGGTCGCCGCTTCCACCCGGACCACTTCACATGCACCTTCTGCCTGCGCCCG
CTCACCAAGGGGTCCTTCCAGGAGCGCGCCGGCAAGCCCTACTGCCAGCCCTGCTTCCTGAAGCTCTTCG
GC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228899 protein sequence
Red=Cloning site Green=Tags(s)

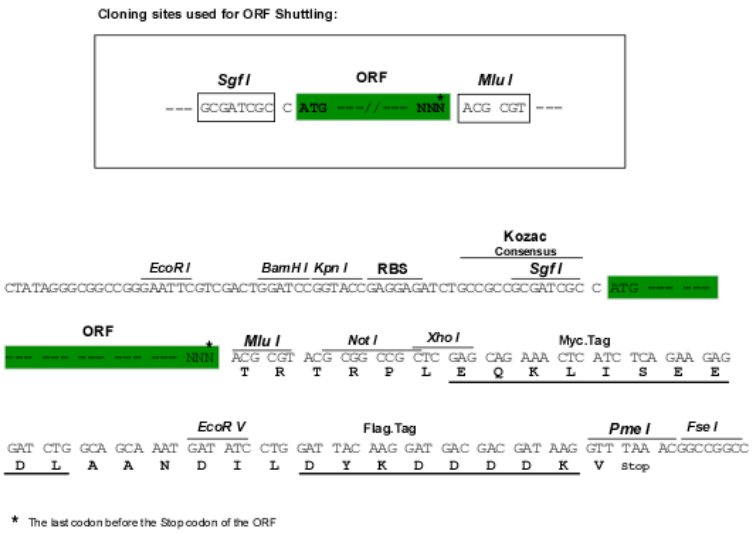
MPRSGAPKERPAEPLTPPPSYGHQPQTGSGESSGASGDKDHLYSTVCKPRSPKPAAPAAPPFSSSSGVLG
TGLCELDRLLQELNATQFNITDEIMSQFPSSKVASGEQKEDQSEDKKRPSLPSSPSPGLPKASATSATLE
LDRLMASLSDFRVQNHLPASGPTQPPVVSSTNEGSPSPPEPTGKGSLDTMLGLLQSDLSRRGVPTQAKGL
CGSCNKPIAGQVVTALGRAWHPEHFVCGGCSTALGGSSFFEKDGAPFCPECYFERFSPRCGFCNQPIRHK
MVTALGTHWHPEHFCCVSCGEPFGDEGFHEREGRPYCRRDFLQLFAPRCQGCQGPILDNYISALSALWHP
DCFVCRECFAPFSGGSFFEHEGRPLCENHFHARRGSLCATCGLPVTGRCVSALGRRFHPDHFTCTFCLRP
LTKGSFQERAGKPYCQPCFLKLFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164719

ORF Size: 1332 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_001164719.1, NP_001158191.1

RefSeq Size: 1782 bp

RefSeq ORF: 1335 bp

Locus ID: 7041

UniProt ID: O43294

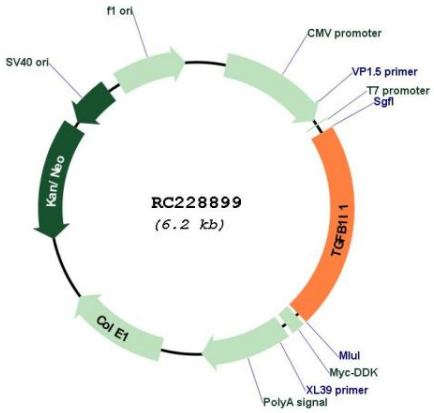
Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transcription Factors

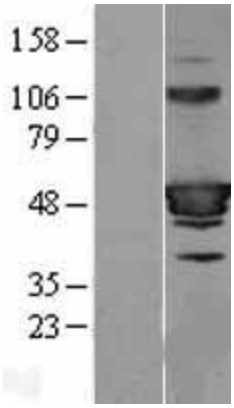
MW: 47.9 kDa

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]

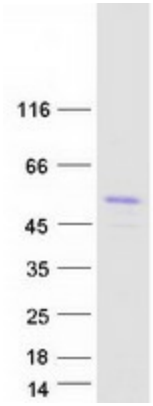
Product images:



Circular map for RC228899



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



Coomassie blue staining of purified TGFB1I1 protein (Cat# [TP328899]). The protein was produced from HEK293T cells transfected with TGFB1I1 cDNA clone (Cat# RC228899) using MegaTran 2.0 (Cat# [TT210002]).