

Product datasheet for **RC206099**

GTSF1 (NM_144594) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GTSF1 (NM_144594) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GTSF1
Synonyms: Cue110; FAM112B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC206099 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGAAACTTACACCGACTCCCTGGACCCTGAGAAGCTATTGCAATGCCCTATGACAAAAACCATC
AAATCAGGGCTTGCAGGTTTCCTTATCATCTTATCAAGTGCAGAAAGAATCATCCTGATGTTGCAAGCAA
ATTGGCTACTTGTCCCTCAATGCTCGCCACCAGGTTCCCTCGAGCTGAAATTAGTCATCATATCTCAAGC
TGTGATGACAGAAGTTGATTGAGCAAGATGTTGTCAACCAAACAGGAGCCTTAGACAAGAGACTCTGG
CTGAGAGCACTTGGCAGTGCCCTCCTTGGGATGAAGACTGGGATAAAGATTTGTGGGAGCAGACCAGCAC
CCCATTTGCCTGGGGCACAACCTCACTACTCTGACAACAACAGCCCTGCGAGCAACATAGTTACAGAACAT
AAGAATAACCTGGCTTCAGGCATGCGAGTCCCAAATCTCTGCCGTATGTTCTGCCATGGAAAAACAATG
GAAATGCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206099 protein sequence
Red=Cloning site Green=Tags(s)
MEETYTDSLDPKLLQCPYDKNHQIRACRFPYHLIKCRKNHPDVASKLATCPFNARHQVPRAEISHHIS
CDDRSCIEQDVVNQTRSLRQETLAESTWQCPDCDEDWDKDLWEQTSTPF AWGTTTHYSDNNSPASNIVTEH
KNNLASGMRVPKSLPYVLPWKNNGNAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6317_d11.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144594

ORF Size: 501 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_144594.1](#), [NP_653195.1](#)

RefSeq Size: 822 bp

RefSeq ORF: 504 bp

Locus ID: 121355

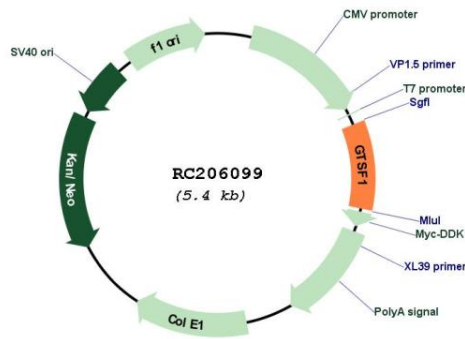
UniProt ID: [Q8WW33](#)

Cytogenetics: 12q13.13

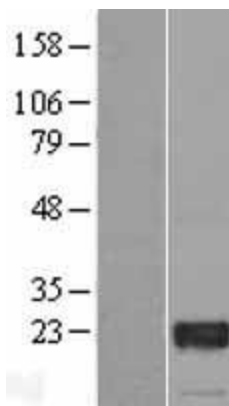
MW: 19.2 kDa

Gene Summary: Required for spermatogenesis and is involved in the suppression of retrotransposon transcription in male germ cells.[UniProtKB/Swiss-Prot Function]

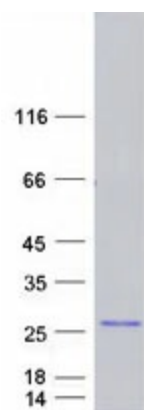
Product images:



Circular map for RC206099



Western blot validation of overexpression lysate (Cat# [LY408235]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206099 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GTSF1 protein (Cat# [TP306099]). The protein was produced from HEK293T cells transfected with GTSF1 cDNA clone (Cat# RC206099) using MegaTran 2.0 (Cat# [TT210002]).