OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC209543L1V

GTF2H2 (NM_001515) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GTF2H2 (NM_001515) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GTF2H2
Synonyms:	BTF2; BTF2 p44; BTF2P44; p44; T-BTF2P44; TFIIH
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001515
ORF Size:	1185 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209543).`
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.
RefSeq:	NM_001515.3, NP_001506.1
RefSeq Size:	1951 bp
RefSeq ORF:	1188 bp
Locus ID:	2966
UniProt ID:	Q13888
Cytogenetics:	5q13.2
Domains:	VWA, Ssl1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors

View online »

Protein Pathways: Basal transcription factors, Nucleotide excision repair

MW: 44.2 kDa

Gene Summary: This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. This gene is within the telomeric copy of the duplication. Deletion of this gene sometimes accompanies deletion of the neighboring SMN1 gene in spinal muscular atrophy (SMA) patients but it is unclear if deletion of this gene contributes to the SMA phenotype. This gene encodes the 44 kDa subunit of RNA polymerase II transcription initiation factor IIH which is involved in basal transcription and nucleotide excision repair. Transcript variants for this gene have been described, but their full length nature has not been determined. A second copy of this gene within the centromeric copy of the duplication has been described in the literature. It is reported to be different by either two or four base pairs; however, no sequence data is currently available for the centromeric copy of the gene. [provided by RefSeq, Jul 2008]