



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## GTF2H2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002966-T02

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

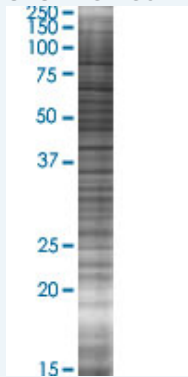
**Plasmid:** pCMV-GTF2H2 full-length

**Host:** Human

**Theoretical MW (kDa):** 44.4

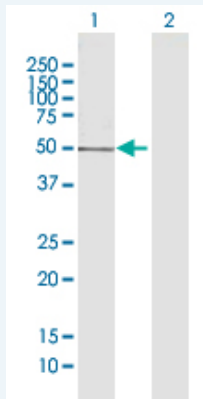
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-GTF2H2 antibody ([H00002966-D01P](#)) by Western Blots.

#### SDS-PAGE Gel



GTF2H2 transfected lysate.

#### Western Blot



Lane 1: GTF2H2 transfected lysate ( 44.4 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [2966](#)

GeneBank [NM\\_001515.2](#)  
Accession#:

Protein [NP\\_001506.1](#)  
Accession#:

Gene Name: GTF2H2

Gene Alias: BTF2,BTF2P44,MGC102806,T-BTF2P44,TFIIH

Gene Description: general transcription factor IIH, polypeptide 2, 44kDa

Omim ID: [601748](#)

Gene Ontology: [Hyperlink](#)

**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]

**Other Designations:** general transcription factor IIH, polypeptide 2 (44kD subunit),general transcription factor IIH, polypeptide 2, 44kD subunit

### Gene Pathway

[Basal transcription factors](#) [Nucleotide excision repair](#)

### Related Disease

[Spinal Muscular Atrophies of Childhood](#) [Spinal muscular atrophy](#)