



# Recombinant Mouse General transcription factor IIH subunit 2 (Gtf2h2)

<b>Product Code</b>	CSB-EP864323MO-B
<b>Abbreviation</b>	Gtf2h2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9JIB4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDEEPERTKR WEGGYERTWE ILKEDETGSL KATIEDILFK AKRKRVEFHH GQVRLGMMRH LYVVVDGSRT MEDQDLKPNR LTCTLKLEY FVEEYFDQNP ISQIGIIVTK SKRAEKLTEL SGNPRKHITS LKKAVIDMTCH GEPSLYNSLS MAMQTLKHMP GHTSREVLII FSSLTTCDCPS NIYDLIKTLK TAKIRVSVIG LSAEVRVCTV LARETGGTYH VILDETHYKE LLAHHVSPPP ASSSSECSLI RMGFPQHTIA SLSDQDAKPS FSMAHLNNS TEPGLTLGGY FCPQCRAKYC ELPVECKICG LTLVSAPHLA RSYHHLFPLD AFQEISLEEY KGERFCYGCQ GELKDQHVYV CTVCQNVFCV DCDVVFVHDSL HCCPGCIHKI PTPSGI
<b>Source</b>	E.coli
<b>Target Names</b>	Gtf2h2
<b>Protein Names</b>	Recommended name: General transcription factor IIH subunit 2 Alternative name(s): Basic transcription factor 2 44 kDa subunit Short name= BTF2 p44 General transcription factor IIH polypeptide 2 TFIIH basal transcription factor compl
<b>Expression Region</b>	1-396
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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