

Recombinant Human GTF2A1, GST-tagged

Cat. No. GTF2A1-13587H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2A1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-330a.a.
Description	This gene encodes an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities. The enzyme has widespread tissue expression and has a role in metabolism. Type II hyperoxaluria is caused by mutations in this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GTF2A1 general transcription factor IIA, 1, 19/37kDa [Homo sapiens]
Official Symbol	GTF2A1

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Synonyms	GTF2A1; general transcription factor IIA, 1, 19/37kDa; glucose regulated protein, 58kD pseudogene; transcription initiation factor IIA subunit 1; TFIIA; TFIIAL; TFIIA-42; TFIIA alpha, p55, isoform 1; general transcription factor IIA subunit 1; transcription initiation factor TFIIA 42 kDa subunit; TF2A1; MGC129969; MGC129970;
Gene ID	2957
mRNA Refseq	NM_015859
Protein Refseq	NP_056943
MIM	600520
UniProt ID	P52655
Chromosome Location	14q31
Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; HIV-1 Transcription Initiation, organism-specific biosystem;
Function	DNA binding; TBP-class protein binding; protein binding; protein heterodimerization activity; transcription coactivator activity; transcription factor binding;