

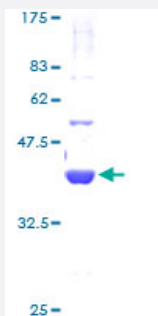
Full-Length

GTF2A2 (Human) Recombinant Protein (P01)

Catalog # H00002958-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GTF2A2 full-length ORF (AAH00287, 1 a.a. - 109 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAYQLYRNTTLGNSLQESLDELIQSQQITPQLALQVLLQFDKAINAALAQRVNRVNFRGSLNTYRF CDNVWTFVLNDVEFREVTELIKVDKVKIVACDGKNTGSNTTE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GTF2A2

Entrez GeneID [2958](#)

GeneBank Accession# [BC000287](#)

Protein Accession# [AAH00287](#)

Gene Name GTF2A2

Gene Alias HsT18745, TF2A2, TFIIA

Gene Description general transcription factor IIA, 2, 12kDa

Omim ID [600519](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and the general initiation factors TFIIA, TFIIIB (MIM 189963), TFIIID (MIM 313650), TFIIIE (MIM 189962), TFIIIF (MIM 189968), TFIIIG/TFIIJ, and TFIIH (MIM 189972). The first step involves recognition of the TATA element by the TATA-binding subunit (TBP; MIM 600075) and may be regulated by TFIIA, a factor that interacts with both TBP and a TBP-associated factor (TAF; MIM 600475) in TFIIID. TFIIA has 2 subunits (43 and 12 kD) in yeast and 3 subunits in higher eukaryotes. In HeLa extracts, it consists of a 35-kD alpha subunit and a 19-kD beta subunit encoded by the N- and C-terminal regions of GTF2A1 (MIM 600520), respectively, and a 12-kD gamma subunit encoded by GTF2A2 (DeJong et al., 1995 [PubMed 7724559]).[supplied by OMIM]

Other Designations OTTHUMP00000196512|OTTHUMP00000196515|general transcription factor IIA, 2 (12kD subunit)

Pathway

- [Basal transcription factors](#)