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GTF3A Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant GTF3A.
Catalog # AT2293a

Product Information

Application	E
Primary Accession	Q92664
Other Accession	NM_002097
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3F7
Calculated MW	41515

Additional Information

Gene ID	2971
Other Names	Transcription factor IIIA, TFIIIA, GTF3A
Target/Specificity	GTF3A (NP_002088, 185 a.a. ~ 274 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GTF3A Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

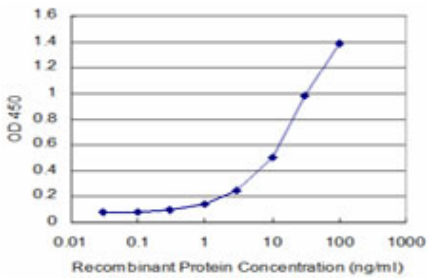
Background

The product of this gene is a zinc finger protein with nine Cis[2]-His[2] zinc finger domains. It functions as an RNA polymerase III transcription factor to induce transcription of the 5S rRNA genes. The protein binds to a 50 bp internal promoter in the 5S genes called the internal control region (ICR), and nucleates formation of a stable preinitiation complex. This complex recruits the TFIIIC and TFIIIB transcription factors and RNA polymerase III to form the complete transcription complex. The protein is thought to be translated using a non-AUG translation initiation site in mammals based on sequence analysis, protein homology, and the size of the purified protein.

References

Polyubiquitination of prolactin receptor stimulates its internalization, postinternalization sorting, and degradation via the lysosomal pathway. Varghese B, et al. Mol Cell Biol, 2008 Sep. PMID 18573876.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Genome-wide association study of electrocardiographic and heart rate variability traits: the Framingham Heart Study. Newton-Cheh C, et al. BMC Med Genet, 2007 Sep 19. PMID 17903306.Systematic identification of SH3 domain-mediated human protein-protein interactions by peptide array target screening. Wu C, et al. Proteomics, 2007 Jun. PMID 17474147.A systematic analysis of human CHMP protein interactions: additional MIT domain-containing proteins bind to multiple components of the human ESCRT III complex. Tsang HT, et al. Genomics, 2006 Sep. PMID 16730941.

Images



Detection limit for recombinant GST tagged GTF3A is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.