



# Human TFB1M blocking peptide (CDBP2954)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-TFB1M antibody
<b>Antigen Description</b>	The protein encoded by this gene is a dimethyltransferase that methylates the conserved stem loop of mitochondrial 12S rRNA. The encoded protein also is part of the basal mitochondrial transcription complex and is necessary for mitochondrial gene expression. The methylation and transcriptional activities of this protein are independent of one another. Variations in this gene may influence the severity of aminoglycoside-induced deafness (AID).[provided by RefSeq, Aug 2010]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TFB1M transcription factor B1, mitochondrial [ Homo sapiens ]</a>
<b>Official Symbol</b>	TFB1M
<b>Synonyms</b>	TFB1M; transcription factor B1, mitochondrial; dimethyladenosine transferase 1, mitochondrial; CGI 75; dimethyladenosine transferase 1; mitochondrial; mtTFB; hTFB1M; h-mtTFB1;

mitochondrial 12S rRNA dimethylase 1; mitochondrial dimethyladenosine transferase 1;  
homolog of yeast mitochondrial transcription factor B; S-adenosylmethionine-6-N, N-  
adenosyl(rRNA) dimethyltransferase 1; CGI75; CGI-75; mtTFB1;

Entrez Gene ID	<a href="#">51106</a>
mRNA Refseq	<a href="#">NM_016020</a>
Protein Refseq	<a href="#">NP_057104</a>
UniProt ID	Q8WVM0
Chromosome Location	6q25.1-q25.3
Pathway	Energy Metabolism, organism-specific biosystem; Mitochondrial Gene Expression, organism-specific biosystem;
Function	DNA binding; methyltransferase activity; protein binding; rRNA (adenine-N6,N6-)-dimethyltransferase activity; transferase activity;