

## Product datasheet for **TP760547**

### **TFB1M (NM\_016020) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human transcription factor B1, mitochondrial (TFB1M), nuclear gene encoding mitochondrial protein, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length TFB1M
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	39.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_057104</a>
<b>Locus ID:</b>	51106
<b>UniProt ID:</b>	<a href="#">Q8WVM0</a> , <a href="#">E5KTM5</a>
<b>RefSeq Size:</b>	2818
<b>Cytogenetics:</b>	6q25.3
<b>RefSeq ORF:</b>	1038
<b>Synonyms:</b>	CGI-75; CGI75; mtTFB; mtTFB1



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**Summary:**

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]

**Protein Families:**

Transcription Factors

**Product images:**