

# Recombinant Full Length Human GTPBP3 Protein, GST-tagged

**Cat. No.** GTPBP3-3424HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GTPBP3 full-length ORF (BAB55228.1, 1 a.a. - 492 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	492 amino acids
<b>Description</b>	This locus encodes a GTP-binding protein. The encoded protein is localized to the mitochondria and may play a role in mitochondrial tRNA modification. Polymorphisms at this locus may be associated with severity of aminoglycoside-induced deafness, a disease associated with a mutation in the 12S rRNA. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2010]
<b>Molecular Mass</b>	78.4 kDa
<b>AA Sequence</b>	MWRGLWTLAAQAARGPRRLCTRRSSGAPAPGSGATIFALSSGQGRCGIAVIRTSGP ASGHALRILTAPRDLPLARHASLRLLSDPRSGEPLDRALVLWFGPQSFTGEDCVEF HVHGGPAVVSGLQALGVSVPGLRPAEAGEFTRRAFANGKLNLTVEVEGLADLIHAET EAQRRQALRQLDGELGHLRCRGWAETLTKALAHVEAYIDFGEDDNLEEGVLEQADIE VRALQVALGAHLRDARRGQRLRSGAHVVVTGPPNAGKSSLVNLNLSRKPVSIVSPEP GTTRDVLETPVDLAGFPVLLSDTAGLREGVGPVEQEGVRRARERLEQADLILAMLDA SDLASPSSCNFLATVVASVGAQSPSDSSQRLLLLVLNKSDDLSPGPGPDPDLPPLL

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LSCLTGEGLDGLLEALRKELAAVCGDPSTDPPLLTRARHQHHLQGCLDALGHYKQS  
KDLALAAEALRVARGHLTRLTGGGGTEEILDIIIFQDFCVGK

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GTPBP3 GTP binding protein 3 (mitochondrial) [ Homo sapiens ]
<b>Official Symbol</b>	GTPBP3
<b>Synonyms</b>	GTPBP3; GTP binding protein 3 (mitochondrial); tRNA modification GTPase GTPBP3, mitochondrial; FLJ14700; GTPBG3; MSS1; MTGP1; THDF1; mitochondrial GTP-binding protein 1; FLJ17836;
<b>Gene ID</b>	84705
<b>mRNA Refseq</b>	NM_001128855
<b>Protein Refseq</b>	NP_001122327
<b>MIM</b>	608536

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UniProt ID

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