Recombinant Full Length Human GTPBP3 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GTPBP3 full-length ORF (BAB55228.1, 1 a.a. - 492 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	492 amino acids
Description	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]
Molecular Mass	78.4 kDa
AA Sequence	MWRGLWTLAAQAARGPRRLCTRRSSGAPAPGSGATIFALSSGQGRCGIAVIRTSGP ASGHALRILTAPRDLPLARHASLRLLSDPRSGEPLDRALVLWFPGPQSFTGEDCVEF HVHGGPAVVSGVLQALGSVPGLRPAEAGEFTRRAFANGKLNLTEVEGLADLIHAET EAQRRQALRQLDGELGHLCRGWAETLTKALAHVEAYIDFGEDDNLEEGVLEQADIE VRALQVALGAHLRDARRGQRLRSGAHVVVTGPPNAGKSSLVNLLSRKPVSIVSPEP GTTRDVLETPVDLAGFPVLLSDTAGLREGVGPVEQEGVRRARERLEQADLILAMLDA SDLASPSSCNFLATVVASVGAQSPSDSSQRLLLVLNKSDLLSPEGPGPGPDLPPHLL

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

GENE INFORMATION

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

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UniProt ID	Q969Y2

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