

Recombinant Human GTPBP3 Protein, GST-tagged

Cat. No. GTPBP3-4472H **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	Wheat Germ
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 ASGHALRILTAPRDLPLARHASLRLLSDPRSGEPLDRALVLWFGPQSFTGEDCVEF HVGHGGPAVSGVLQALGSPGLRPAEAGEFTRRAFANGKLNLTVEGLADLIHAET EAQRRQALRQLDGEGLGHLRCGWAETLTALAHVEAYIDFGEDDNLEEGVLEQADIE VRALQVALGAHLRDARRGQRLRSGAHVVVTGPPNAGKSSLVNLLSRKPVSIVSPEP GTTRDVLETPVDLAGFPVLLSDTAGLREGVGPVEQEGVRRARERLEQADLILAMLDA SDLASPSSCNFLATVVASVGAQSPSDSSQRLLLVLNKSDLLSPEGPGPGPDLPPLL LSCLTGEGLDGLLEALRKELAAVCGDPSTDPPLLTRARHQHHLQGCLDALGHYKQS

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KDLALAAEALRVARGHLTRLTG GGGT E EILD IIFQDFCVGK

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

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