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Product datasheet for RC217694L4V

GTPBP3 (NM_133644) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GTPBP3 (NM_133644) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GTPBP3
Synonyms:	COXPD23; GTPBG3; MSS1; MTGP1; THDF1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_133644
ORF Size:	1572 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC217694).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_133644.1
RefSeq Size:	1960 bp
RefSeq ORF:	1575 bp
Locus ID:	84705
UniProt ID:	Q969Y2
Cytogenetics:	19p13.11
MW:	55.4 kDa

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Gene Summary: 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]