

### **Product datasheet for TA357765**

# OriGene Technologies, Inc.

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#### **Gfm1 Rabbit Polyclonal Antibody**

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Mouse Host: Rabbit

Clonality: Polyclonal

**Specificity: Expected reactivity**: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat

Homology: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse:

100%; Pig: 100%; Rabbit: 93%; Rat: 100%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Concentration:** lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

**Storage:** For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: 83kDa

**Gene Name:** G elongation factor, mitochondrial 1

Database Link: NP 613057

Entrez Gene 28030 Mouse

Q8K0D5

**Background:** Gfm1 is a mitochondrial GTPase that catalyzes the GTP-dependent ribosomal translocation

step during translation elongation. During this step, the ribosome changes from the pretranslocational (PRE) to the post-translocational (POST) state as the newly formed A-sitebound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites,

respectively. Gfm1 catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome. Gfm1 does not mediate the disassembly of ribosomes from messenger RNA at the termination of mitochondrial protein biosynthesis.

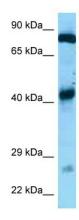




Synonyms:

COXPD1; EF-Gmt; EFG; EFG1; EFGM; EGF1; FLJ12662; FLJ13632; FLJ20773; GFM; hEFG1

## **Product images:**



WB Suggested Anti-Gfm1 Antibody Titration: 1.0 ug/ml

Positive Control: Mouse Heart