

# Mouse GPT, Tag Free Protein

## HA211503



|                                          |                                                                                                                                                                                                                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>                     | Mouse GPT, Tag Free                                                                                                                                                                                                                                                   |
| <b>Species reactivity:</b>               | Mouse                                                                                                                                                                                                                                                                 |
| <b>Bio-Activity:</b>                     | Testing in progress.                                                                                                                                                                                                                                                  |
| <b>Protein construction description:</b> | A DNA sequence encoding the mouse GPT protein (Q8QZR5) (Met 1-Ser 496) was expressed with tag Free.                                                                                                                                                                   |
| <b>Background:</b>                       | Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles (By similarity). |
| <b>Purity:</b>                           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                       |
| <b>Endotoxin:</b>                        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                            |
| <b>Fragment region:</b>                  | GPT (1-496)                                                                                                                                                                                                                                                           |
| <b>Source:</b>                           | E.coli                                                                                                                                                                                                                                                                |
| <b>Accession:</b>                        | Q8QZR5                                                                                                                                                                                                                                                                |
| <b>Predicted molecular mass:</b>         | 55.9 kD                                                                                                                                                                                                                                                               |
| <b>Formulation:</b>                      | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.                                                                                                                                                                                 |
| <b>Reconstitution:</b>                   | Reconstitute at 250 µg/ml in sterile water.                                                                                                                                                                                                                           |
| <b>Storage:</b>                          | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.                                                |

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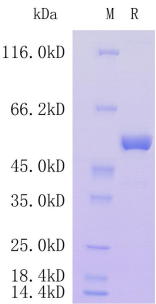
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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