

## Recombinant Mouse Gem Protein, Myc/DDK-tagged

Cat. No. Gem-3187M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length GTP binding protein (gene overexpressed in skeletal muscle) (Gem), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Could be a regulatory protein, possibly participating in receptor-mediated signal transduction at the plasma membrane. Has guanine nucleotide-binding activity but undetectable intrinsic GTPase activity.
<b>Molecular Mass</b>	33.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	Gem GTP binding protein (gene overexpressed in skeletal muscle) [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Gem
<b>Synonyms</b>	Gem; GTP binding protein (gene overexpressed in skeletal muscle); AV020497; GTP-binding protein GEM; GTP-binding mitogen-induced T-cell protein; RAS-like protein KIR; EC 3.6.5.2
<b>Gene ID</b>	14579
<b>mRNA Refseq</b>	NM_010276
<b>Protein Refseq</b>	NP_034406
<b>UniProt ID</b>	P55041

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