

Recombinant Mouse Gast protein, His & GST-tagged

Cat. No. Gast-5829M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gast aa. (Met1~Gln101 (Accession # P48757)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Gln101
Description	This gene encodes the peptide hormone gastrin, which stimulates gastric acid secretion, proliferation, cell migration and angiogenesis, as well as inhibits apoptosis. The encoded preproprotein undergoes proteolytic processing to generate multiple gastrin peptides differing in size. Mice lacking the encoded protein exhibit a decrease in the number of parietal cells, achlorohydia and a decrease in the colonic proliferation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

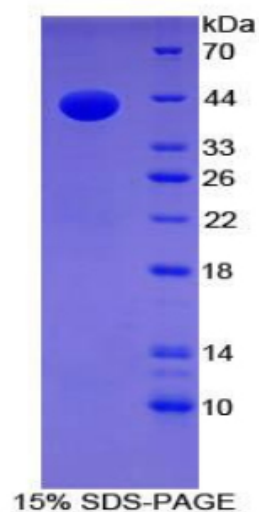
Gene Name	Gast gastrin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Gast
Synonyms	GAS; gastrin
Gene ID	14459
mRNA Refseq	NM_010257.4
Protein Refseq	NP_034387.3
UniProt ID	P48757

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SDS-PAGE



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