Gastrin (GAST) Protein

PRODUCT OVERVIEW

Product Name	Gastrin, Protein
Full Product Name	Gastrin
Product Gene Name	GAST protein
Product Synonym Names	GAS
Sequence	CQGPWLEEEE EAYGWMDF
Host	E Coli
Form/Format	Liquid
Purity/Purification	>95% by SDS-PAGE
Preparation and Storage	Store at -20 degree C. Avoid repeated freezing and thawing.
Molecular Weight	11,394 Da
OMIM	137250
3D Structure	ModBase 3D Structure for P01350
Tags	His
Storage Buffer	50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Applications Tested/Suitable for GAST protein	ELISA (EIA), Western Blot (WB), Affinity Purification (AP), Protein Array
Related Product Information for GAST protein	MBS2889041 is a protein targeting GAST. Also known as Gastrin. Host: E Coli.
Other Notes	Small volumes of GAST protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAST. It may not necessarily be applicable to this product.

NCBI GI #	4503923
NCBI GeneID	2520
NCBI Accession #	NP_000796.1
UniProt Primary Accession #	P01350
UniProt Secondary Accession #	P78463; P78464
UniProt Related Accession #	P01350
GenBank Nucleotide #	NM_000805.4
NCBI Official Full Name	gastrin preproprotein
NCBI Official Synonym Full Names	gastrin

NCBI Official Symbol	GAST
NCBI Official Synonym Symbols	GAS
UniProt Protein Name	Gastrin
UniProt Synonym Protein Names	Gastrin-71Alternative name(s):Gastrin component I
Protein Family	Gastrin
UniProt Gene Name	GAST
UniProt Synonym Gene Names	GAS; G52; G34; G17; G14; G6
NCBI Protein Information	gastrin
NCBI Summary for GAST	Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17. [provided by RefSeq, Jul 2008]
UniProt Comments for GAST	Gastrin stimulates the stomach mucosa to produce and secrete hydrochloric acid and the pancreas to secrete its digestive enzymes. It also stimulates smooth muscle contraction and increases blood circulation and water secretion in the stomach and intestine.
Research Articles on GAST	**1.** Everolimus down-regulates the systemic levels of gastrin and glucagon in patients with pancreatic neuroendocrine tumors.
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