

Recombinant Human GMNN, GST-tagged

Cat. No. GMNN-13336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GMNN protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-209a.a.
Description	This gene encodes a G-protein coupled receptor for gastric inhibitory polypeptide (GIP), which was originally identified as an activity in gut extracts that inhibited gastric acid secretion and gastrin release, but subsequently was demonstrated to stimulate insulin release in the presence of elevated glucose. Mice lacking this gene exhibit higher blood glucose levels with impaired initial insulin response after oral glucose load. Defect in this gene thus may contribute to the pathogenesis of diabetes.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GMNN geminin, DNA replication inhibitor [Homo sapiens]
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Official Symbol	GMNN
Synonyms	GMNN; geminin, DNA replication inhibitor; geminin; Gem;
Gene ID	51053
mRNA Refseq	NM_001251989
Protein Refseq	NP_001238918
MIM	602842
UniProt ID	O75496
Chromosome Location	6p21.32
Pathway	Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem; CDT1 association with the CDC6:ORC:origin complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA Replication, organism-specific biosystem;
Function	histone deacetylase binding; protein binding; repressing transcription factor binding;