

Recombinant Full Length Human GGN Protein, GST-tagged

Cat. No. GGN-5234HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GGN full-length ORF (NP_689870.3, 1 a.a. - 652 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	652 amino acids
Description	This gene is a germ cell-specific gene that encodes proteins that interact with POG (proliferation of germ cells). Alternatively spliced transcript variants of a similar mouse gene encode at least three different proteins, namely gametogenetin protein 1a, gametogenetin protein 2, and gametogenetin protein 3, which show a perinuclear, cytoplasmic, and nucleolar localization, respectively. These proteins regulate the localization of POG and may play a role in spermatogenesis. [provided by RefSeq
Molecular Mass	93.1 kDa
AA Sequence	<p>MGNLQSEPSAGGGSRKVQPSDRAPDSRRTSLVEPEMTSQAMRLTRGLGVWFPGS ATPPGMLVPREPQASPSTLPLTLERPSPVMPPPPEEAAAVSAPPPAPAGTLLPGPSK WQKPAAGTPVPRIRRLLEASHRGQGDPPSLRPLKPPPPRQLSVKDTVPRAPSQFPP PLETWKPPPPLPSERQPADRRITPALATPASPTESQAGPRNQGTAGRARGGAP PHAGEGEMAQPADSEGLSLLCKITFKSRPSLAPPAASSSLAAKASLGGGGGGGLF AASGAISYAEVLKQGGLPPGAARPLGEVSRGAQEAEGGDGDGEGCSGPPSAPASQ ARALPPPPYTTFFPGSKPKFDWVSAPDGPFRHFRFNGAGGGGIGAPRRRAAALS GPW</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GSPPPPPEQIHSAPGPRRPAPALLAPPTFIFPAPTNGEPMRPGPPGLQELPPLPPPT
 PPPTLQPPALQPTPLPVAPPLTPGLGHKESALAPTAAPALPPALAADQAPAPSPAPA
 PTVAEPSPPVSAPAPAAAPIKTRTRRNKGSRAARGATRKDGLHGDGPRERATATVP
 DSSGGGGGGSGASQTGAANTRAARHWLPFQVLNSCPCKCYCHHQPRHRLPRNV
 SAWLSTSTNHLGEPWVATIKLSGSLVAKLEHYDLQATHSN

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes
 Best use within three months from the date of receipt of this protein.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name
[GGN gametogenetin \[Homo sapiens \]](#)

Official Symbol
[GGN](#)

Synonyms
 GGN; gametogenetin; FLJ35713; MGC33369;

Gene ID
[199720](#)

mRNA Refseq
[NM_152657](#)

Protein Refseq
[NP_689870](#)

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MIM	609966
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UniProt ID	Q86UU5
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