

Recombinant Human GPC3

Cat. No. GPC3-50H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Glypican 3 was expressed in yeast.
Species	Human
Source	Yeast
Description	<p>Glypican 3, also known as GPC3, The protein encoded by this gene is a member of the glypican family. Glypican 3 immunostaining has utility for differentiating hepatocellular carcinoma (HCC) and dysplastic changes in cirrhotic livers; HCC stains with glypican 3, while liver with dysplastic changes and/or cirrhotic changes does not. Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation.</p>
Form	Lyophilized from sterile 20mM PB, 240mM NaCl, PH6.0.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Applications	Western blotting, ELISA

 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

Storage

Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -80°C.

GENE INFORMATION
Gene Name

GPC3 glypican 3 [Homo sapiens]

Official Symbol

GPC3

Synonyms

GPC3; glypican 3; SDYS; glypican-3; DGSX; glypican proteoglycan 3; OCI 5; SGB; SGBS; SGBS1; secreted glypican-3; intestinal protein OCI-5; heparan sulphate proteoglycan; MXR7; OCI-5; GTR2-2;

Gene ID

2719

mRNA Refseq

NM_001164617

Protein Refseq

NP_001158089

MIM

300037

UniProt ID

P51654

Chromosome Location

Xq26

Pathway

Glypican 3 network, organism-specific biosystem; Glypican pathway, organism-specific biosystem;

Function

heparan sulfate proteoglycan binding; peptidyl-dipeptidase inhibitor activity; protein

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binding;

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