

Recombinant Mouse Gpc3, His-tagged

Cat. No. Gpc3-119M Lot. No. (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mouse GPC3 (Met1-Pro558) was expressed with a C-terminal polyhistidine tag.
Species	Mouse
Source	Insect Cells
Description	lypican-3 is a protein that in humans is encoded by the GPC3 gene. The protein encoded by this gene is a member of the glypican family.
Predicted N Terminal	Gln 25
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4.
Molecular Mass	The recombinant mouse GPC3 comprises 544 amino acids and has a predicted molecular mass of 62 kDa. The apparent molecular mass of the protein is approximately 33-37 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 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

GENE INFORMATION

Gene Name	Gpc3 glypican 3 [Mus musculus (house mouse)]
Official Symbol	Gpc3
Synonyms	Gpc3; OCI-5; glypican 3; glypican-3
Gene ID	14734
mRNA Refseq	NM_016697
Protein Refseq	NP_057906
UniProt ID	Q8CFZ4
Chromosome Location	X; X A3.3
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis; Chondroitin sulfate/dermatan sulfate metabolism; Glycosaminoglycan metabolism
Function	heparan sulfate proteoglycan binding; peptidase inhibitor activity; peptidyl-dipeptidase inhibitor activity

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