

# Recombinant Human GPC5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GPC5-3138H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GPC5 MS Standard C13 and N15-labeled recombinant protein (NP_004457) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 63.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MDAQTWPVGFRCLLLLALVGSARSEGVQTCEEVRKLFQWRLLGAVRGLPDSPRAG<br>PDLQVCISKKPTCCTRKMEERYQIAARQDMQQFLQTSSSTLKFLISRNAAAFQETLE<br>TLIKQAENYTSILFCSTYRNMALEAAASVQEFFTDVGLYLFADVNPEEFVNRFFDSL<br>FPLVYNHLINPGVTDSSLEYSECIRMARRDVSPFGNIPQRVMGQMGRSLLPSRTFLQ<br>ALNLGIEVINTTDYLHFSKECSRALLKMQYCPHCQGLALTKPCMGYCLNVMRGCLAH<br>MAELNPHWHAYIRSLEELSDAMHGTYDIGHVLLNFHLLVNDVLAHLNGQKLLEQV<br>NRICGRPVRTPTQSPRCSFDQSKEKHGMKTTTRNSEETLANRRKEFINSLRLYRSFY      |

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GGLADQLCANELAAADGLPCWNGEDIVKSYTQRVVGNNGIKAQSGNPEVKVKGIDPV  
INQIIDKLKHVVQLLQGRSPKPDKWELLQLGSGGGMVEQVSGDCDDEDGCGGSGS  
GEVKRTLKITDWMPDDMNFSVDVKQIHQTDGTSTLDTTGAGCAVATESMTFTLISVVM  
LLPGIWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** GPC5 glypican 5 [ Homo sapiens (human) ]

**Official Symbol** GPC5

**Synonyms** GPC5; glypican 5; glypican-5; glypican proteoglycan 5; bA93M14.1;

**Gene ID** 2262

**mRNA Refseq** NM\_004466

**Protein Refseq** NP\_004457

**MIM** 602446

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UniProt ID

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