

# Recombinant Cynomolgus monkey GPC3 Protein, Fc-tagged

**Cat. No.** GPC3-269C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Cynomolgus monkey GPC3 protein with Fc tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 87.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MAGTVRTACLVVAMLLSLDFPGQAQPPPPPPDATCHQVRSFFQRLQPGLKWVPET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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

PVPGSDLQVCLPKGPTCCSRKMEEKYQLTARLNMEQLLQSASMELKFLIIQNAAVFQ  
 EAFEIVVRHAKNYTNAMFKNNYPSLTPQAFEFVGEFFTDVSLYLGS DINVDDMVNEL  
 FDSLFPVIYTQLMNPGLPDSALDINECLRGARRDLKVFGNFPKLIMTQVSKSLQVTRI  
 FLQALNLGIEVINTTDHLKFSKDCGRMLTRMWYCSYCQGLMMVKPCGGYCNVVMQ  
 GCMAGVVEIDKYWREYILSLEELVNGMYRIYDMENVLLGLFSTIHDSIQYVQKNAGKL  
 TTTIGKLCAHSQQRQYRSAYYPEDLFIDKKVLKVAHVEHEETLSSRRRELIQKLKSFIS  
 FYSALPGYICSHSPVAENDTLCWNGQELVERYSQKAARNGMKNQFNLHELKMKGP  
 EPVVSQIIDKLKHINQLLRTMSVPGKRVLDKNLDEEGFESGDCGDDDEDECIGGSGDG  
 MMKVKNQLRFLAELAYDLDDVDPGNNQQATPKDNEISTFHNLGNVHSPLKLLTSM  
 AISVVCFFFLVH

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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## GENE INFORMATION

|                 |                                                    |
|-----------------|----------------------------------------------------|
| Gene Name       | GPC3 glypican 3 [ Macaca mulatta (Rhesus monkey) ] |
| Official Symbol | GPC3                                               |
| Synonyms        | GPC3; glypican 3; glypican-3;                      |
| Gene ID         | 706773                                             |
| mRNA Refseq     | XM_015128213                                       |
| Protein Refseq  | XP_014983699                                       |
| UniProt ID      | F6TST2                                             |

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