

# Active Recombinant Human GPC3 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** GPC3-620HAF647    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      The Alexa Fluor 647 conjugated recombinant human GPC3 extracellular or ecto-domain (ECD) is expressed as a 762 amino acid protein consisting of Gln25-Val558 region of GPC3 (Uniprot accession# P51654-3) and a C-terminal Fc fusion from human IgG1, which exists as multiple proteolytically processed species under reducing conditions.

**Species**      Human

**Source**      HEK293

**ProteinLength**      25-558 a.a.

**Bio-activity**      Binds human FGF-basic/FGF2 in a functional ELISA.

**Molecular Mass**      Calculated molecular mass (kDa): 86.2; Estimated by SDS-PAGE under reducing condition (kDa): 3 major bands at 40, 60 and 95-125 kDa.

**Endotoxin**      < 0.1 EU/ µg of purified recombinant protein determined by the LAL method

**Purity**      > 90 % by SDS-PAGE under reducing condition

**Characteristic**      Disulfide-linked homodimer  
Labeled with Alexa Fluor 647 via amines  
Excitation = 650 nm

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

Emission = 668 nm

**Storage**

The product is shipped at 4 centigrade. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20 centigrade for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4 centigrade for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

**Storage Buffer**

Supplied at 0.5 mg/ml in sterile PBS pH 7.4 (carrier and preservative free).

**Conjugation**

Alexa Fluor 647

**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

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