

Active Recombinant Human GPC3 Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. GPC3-620HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview The Alexa Fluor 488 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 488 via amines
Excitation Wavelength: 488 nm

 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

Emission Wavelength: 515-545 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 488

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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