

Glypican 3/GPC3 Protein, Human, Recombinant (His), PE-Labeled

General Information

Protein Construction: Gln25-His559
Species: Human
Expression Host: HEK293 Cells
Accession: P51654-1
Molecular Weight: 61.6 kDa (Predicted)

QC Testing

Biological Activity: Immobilized PE-Labeled Human GPC3, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC50 of 3.2 ng/ml determined by ELISA.
Formulation: Supplied as 0.22 µm filtered solution in PBS, 200 mM L-arginine, 0.2% BSA (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Glypican-3 is a protein, which is encoded by the GPC3 gene in humans. The protein core of GPC3 consists of two subunits, where the N-terminal subunit has a size of ~40 kDa and the C-terminal subunit is ~30 kDa. Glypican 3 is a potential therapeutic target for treating liver cancer and other cancers. Several therapeutic anti-GPC3 antibodies have been developed.

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