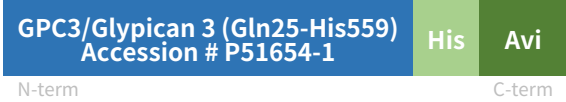


Rev02
 Update: Aug,08,2025
DATASHEET

GPC3/Glypican 3[Biotin], His & Avi, Human

Cat. No.: Z04093

Product Introduction

Species	Human
Protein Construction	
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized AntiGPC3 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate can bind GPC3/Glypican 3[Biotin], His & Avi, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	63.6 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 42 kDa, 68-80 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target 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.

Synonyms : GPC3; DGSX; Glypican 3; GTR2-2; MXR7; OCI5; OCI-5; SGB; SGBS; SGBS1SDYS; SDYS; SGBS1

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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