

Recombinant Human PSG3 Protein (His Tag)

Catalog No. PKSH032925

Note: Centrifuge before opening to ensure complete recovery of vial contents.

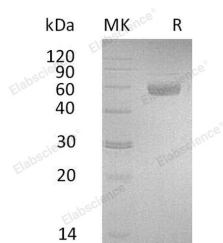
Description

Synonyms	Pregnancy-specific beta-1-glycoprotein 3;Carcinoembryonic Antigen SG5;Pregnancy-Specific Glycoprotein 3;PS-Beta-G-3;PSBG-3.
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln35-Leu428
Accession	Q16557
Calculated Molecular Weight	45.2 kDa
Observed molecular weight	55-70 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Citrate, 6% Trehalose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH 4.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

Pregnancy-specific beta-1-glycoprotein 3 is also known as Carcinoembryonic Antigen SG5, Pregnancy-Specific Glycoprotein 3, PS-Beta-G-3, PSBG-3. It belongs to the immunoglobulin superfamily. CEA family. It is synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. Molecular cloning and analysis of several PSG genes has indicated that the PSGs form a subgroup of the carcinoembryonic antigen (CEA) gene family. Members of the CEA family consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains.