



Recombinant Protein Technical Manual

Recombinant Human GPA33 Protein (His Tag)

RPES2955

Product Data:

Product SKU: RPES2955

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q99795

Protein Information:

Molecular Mass: 24.7 kDa

AP Molecular Mass: 34-37 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cell Surface A33 Antigen; Glycoprotein A33; GPA33

Immunogen Information:

Sequence: Ile22-Val235

Background:

Human Glycoprotein A33 (GPA33) is a single-pass type I membrane protein, belongs to the CTX family of cell adhesion molecular within the immunoglobulin family, can be expressed in normal gastrointestinal epithelium and in 95% of colon cancers. GPA33 consists of one Ig-like C2-type domain and one Ig-like V-type domain. The predicted mature protein includes a single transmembrane domain, a extracellular region and a intracellular tail. Intracellular traffic and recycling to the cell surface appear to play an important role in GPA33 function and to have an influence on its surface density superseding translation regulation. GPA33 has become a promising target of immunologic therapy strategies. GPA33 may also play a important role in cell-cell recognition and signaling.