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Datasheet for ABIN1096759
GPA33 Protein (AA 22-235) (His tag)

Overview

Quantity:	50 µg
Target:	GPA33
Protein Characteristics:	AA 22-235
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPA33 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Glycoprotein A33/GPA33/GPA33 (C-6His)
Sequence:	ISVETPQDVL RASQGKSVTL PCTYHTSTSS REGLIQWDKL LLTHTERVVI WPFSNKNYIH GELYKNRVSISNNAEQSDAS ITIDQLTMAD NGTYECSVSL MSDLEGNTKS RVRLLVLVPP SKPECGIEGE TIIGNNIQLT CQSKEGSPTP QYSWKRYNIL NQEQLAQA SGQPVSLKNI STDTSGYYIC TSSNEEGTQF CNITVAVRSP SMNVVDH HHHH HH
Characteristics:	Recombinant Human Glycoprotein A33/GPA33/GPA33 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GPA33
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Target Details

Alternative Name: Glycoprotein A33/GPA33 ([GPA33 Products](#))

Background: Recombinant Human Glycoprotein A33/GPA33 produced by transfected human cells is a secreted protein with sequence (Ile22-Val235) of Human GPA33 fused with a polyhistidine tag at the C-terminus.

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, an extracellular region and an 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 an important role in cell-cell recognition and signaling.

Molecular Weight: 24.66 kDa

UniProt: [Q99795](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.
