Datasheet for ABIN7520046

GPA33 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	GPA33
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPA33 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cell surface A33 antigen/GPA33 Protein
Sequence:	ISVETPQDVL RASQGKSVTL PCTYHTSTSS REGLIQWDKL LLTHTERVVI WPFSNKNYIH GELYKNRVSI SNNAEQSDAS ITIDQLTMAD NGTYECSVSL MSDLEGNTKS RVRLLVLVPP SKPECGIEGE TIIGNNIQLT CQSKEGSPTP QYSWKRYNIL NQEQPLAQPA SGQPVSLKNI STDTSGYYIC TSSNEEGTQF CNITVAVRSP SMNV
Specificity:	Ile22-Val235
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	GPA33
Alternative Name:	Cell surface A33 antigen/GPA33 (GPA33 Products)

Target Details

Background:	Description: Cell surface A33 antigen, also known as glycoprotein A33, is a single-pass type I membrane protein which is expressed in normal gastrointestinal epithelium and in 95 % of colon cancers. GPA33 contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. The open reading frame encodes a 319-amino acid polypeptide having a putative secretory signal sequence and 3 potential glycosylation sites. The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. Intracellular traffic and recycling to the cell surface appear to play a major role in GPA33 function and to have an influence on its surface density superseding translational regulation. Name: A33,GPA33
Gene ID:	10223
UniProt:	Q99795

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.