

Datasheet for ABIN7597335

GPA33 Protein (AA 22-139) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	GPA33
Protein Characteristics:	AA 22-139
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPA33 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human GPA33(22-139) Protein with C-terminal human Fc tag
Sequence:	GPA33(Ile22-Val139) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GPA33
Alternative Name:	GPA33 (GPA33 Products)
Background:	A33 The glycoprotein encoded by this gene is a cell surface antigen that is expressed in greater than 95 % of human colon cancers. The open reading frame encodes a 319-amino acid polypeptide having a putative secretory signal sequence and 3 potential glycosylation sites. The predicted

Target Details

mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 2 domains characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 39.3 kDa after removal of the signal peptide. The apparent molecular mass of GPA33(22-139)-hFc is 35-55 kDa due to glycosylation.

UniProt: [Q99795](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months