Recombinant Human GPA33, C13&N15-labeled

Cat. No. GPA33-235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPA33 MS Standard Protein, C13 and N15-labeled (GPA33, Heavy Labeled) Ile 22 - Val 235 (Accession # AAH74830) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	22-235 a.a.
Description	Glycoprotein A33 (GPA33) also known as Cell surface A33 antigen, is a single-pass type I membrane protein which is expressed in normal gastrointestinal epithelium and in 95% of colon cancers. GPA33 The predicted 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 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily, which contains. GPA33 may play a role in cell-cell recognition and signaling.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	GPA33, Heavy Labeled, fused with 6×His tag at the C-terminus, has a calculated MW of 24.5 kDa. The predicted N-terminus is Ile 22. DTT-reduced Protein migrates as 35-40 kDa due to glycosylation.

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Endotoxin	Less than 1.0 EU per μg of the GPA33, Heavy Labeled by the LAL method.
Purity	>96% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC-8oC); After reconstitution under sterile conditions for 1 month (4oC-8oC) or 3 months (-20oC to -70oC).

GENE INFORMATION

Gene Name	GPA33 glycoprotein A33 (transmembrane) [Homo sapiens]
Official Symbol	GPA33
Synonyms	GPA33; glycoprotein A33 (transmembrane); cell surface A33 antigen; A33; transmembrane glycoprotein A33; MGC129986; MGC129987;
Gene ID	10223
mRNA Refseq	NM_005814
Protein Refseq	NP_005805
MIM	602171
UniProt ID	Q99795
Chromosome Location	1q24.1
Function	receptor activity;

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