

Recombinant Mouse Gpa33 protein, His-tagged

Cat. No. Gpa33-246M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gpa33 (Leu22-Ile235) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	Leu22-Ile235
Description	Glycoprotein A33 (GPA33) is 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.
Predicted N Terminal	Leu22
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 24.7 kDa. The protein migrates as 33-42 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

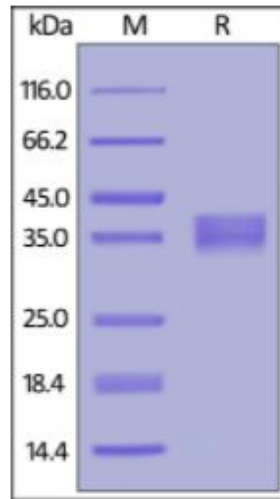
Gene Name	Gpa33
Official Symbol	Gpa33
Synonyms	GPA33; glycoprotein A33 (transmembrane); cell surface A33 antigen; mA33; A33 antigen; BB116197; 2010310L10Rik; 2210401D16Rik
Gene ID	59290
mRNA Refseq	NM_021610
Protein Refseq	NP_067623
UniProt ID	Q9JKA5

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**SDS-PAGE of Gpa33-
246M**



Mouse GPA33, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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