

## Recombinant Human GPA33 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GPA33-3890H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GPA33 MS Standard C13 and N15-labeled recombinant protein (NP_005805) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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 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. |
| <b>Molecular Mass</b>   | 35.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MVGKMWPVLWTLCAVRVTVD AISVETPQDVL RASQGKSVTL PCTYHTSTSSREGLI<br>QWDKLLLTHTERVVIWPF SNKNYIHGELYKNRV SISNNAEQSDASITIDQLTMADNGT<br>YECVSLMSDLEGNTKSRVRL LVLPSPKPECGIEGETIIGNNIQLTCQSKEGSPTPQ<br>YSWKRYNILNQEQLAPASGQPVSLKNISTDTSGYYICTSSNEEGTQFCNITVAVR<br>SPSMNVALYVGIAVGVVAALIIIGIIIIYCCCCRGKDDNTEDKEDARPNREAYEEPPEQL<br>RELSREREEEDDYRQEEQRSTGRES PDHLDQTRTRPLEQKLISEEDLAANDILDYKD                                                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | DDDKV                                                                                      |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

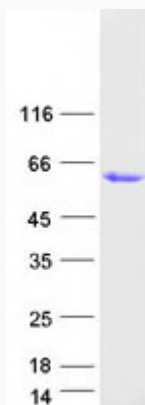
## GENE INFORMATION

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GPA33 glycoprotein A33 [ Homo sapiens (human) ]                                                                               |
| <b>Official Symbol</b> | GPA33                                                                                                                         |
| <b>Synonyms</b>        | GPA33; glycoprotein A33 (transmembrane); cell surface A33 antigen; A33; transmembrane glycoprotein A33; MGC129986; MGC129987; |
| <b>Gene ID</b>         | 10223                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_005814                                                                                                                     |
| <b>Protein Refseq</b>  | NP_005805                                                                                                                     |
| <b>MIM</b>             | 602171                                                                                                                        |
| <b>UniProt ID</b>      | Q99795                                                                                                                        |

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**SDS-PAGE**

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