

## Recombinant Human PLAC9 protein, GST-tagged

**Cat. No.** PLAC9-1761H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PLAC9 protein(1-97 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-97 aa                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | MRPLLCALTGLALLRAAGSLAAAEPFSPPRGDSAQSTACDRHMAVQRRLDVMEEM<br>VEKTVDHLGTEVKGLLGLLEELAWNLP GPFPSPAPDLLGDGF                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                        |
| <b>Reconstitution</b>   | Dissolve the product in 200                                                                                                                                                                                                                                                                                                                                                                  |

 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

μl sterile water to achieve a working concentration of 0.25 g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

|           |                                            |
|-----------|--------------------------------------------|
| Gene Name | PLAC9 placenta-specific 9 [ Homo sapiens ] |
|-----------|--------------------------------------------|

|                 |       |
|-----------------|-------|
| Official Symbol | PLAC9 |
|-----------------|-------|

|         |        |
|---------|--------|
| Gene ID | 219348 |
|---------|--------|

|             |                |
|-------------|----------------|
| mRNA Refseq | NM_001012973.1 |
|-------------|----------------|

|                |                |
|----------------|----------------|
| Protein Refseq | NP_001012991.1 |
|----------------|----------------|

|     |        |
|-----|--------|
| MIM | 612857 |
|-----|--------|

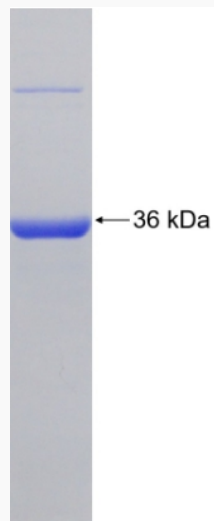
|            |        |
|------------|--------|
| UniProt ID | Q5JTB6 |
|------------|--------|

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## SDS-PAGE



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