

## Recombinant Human IRS1 protein, MBP&His-Avi-tagged, Biotinylated

**Cat. No.** IRS1-4543H    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant Human IRS1 protein(P35568)(157-267aa), fused with N-terminal MBP tag and C-terminal His and Avi tag, was expressed in E.coli.                                                                             |
| <b>Species</b>           | Human                                                                                                                                                                                                                              |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                             |
| <b>ProteinLength</b>     | 157-267aa                                                                                                                                                                                                                          |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                             |
| <b>Form</b>              | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>    | 60.3 kDa                                                                                                                                                                                                                           |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                        |
| <b>Storage</b>           | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                     |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a                                                               |

 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

concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

**AA Sequence**

GPAFKEVWQVILKPKGLGQTKNLIGIYRLCLTSKTISFVKLNSEAAAVVLQLMNIRRCG  
HSENFFFIEVGRSAVTGPGEFWMQVDDSVVAQNMHETILEAMRAMSDEFRRPR

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

IRS1 insulin receptor substrate 1 [ Homo sapiens ]

**Official Symbol**

IRS1

**Synonyms**

IRS1; insulin receptor substrate 1; HIRS 1; IRS-1; HIRS-1;

**Gene ID**

3667

**mRNA Refseq**

NM\_005544

**Protein Refseq**

NP\_005535

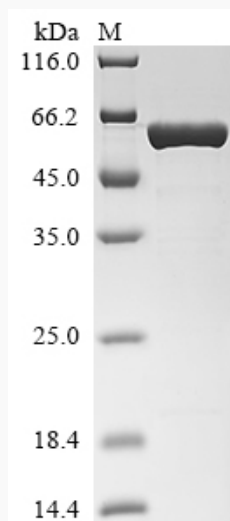
**UniProt ID**

P35568

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**SDS-PAGE**

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