

## Recombinant Human LRP5 protein, GST-tagged

**Cat. No.** LRP5-301119H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LRP5 (1332-1397 aa) protein, fused to GST tag, was expressed in E. coli.                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Cys1332-Leu1397                                                                                                                                                                                                                        |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |
| <b>AA Sequence</b>      | CDAICLPNQFRCASGQCVLKQQCDSFPDCIDGSDELMCEITKPPSDDSPAHS SAIGPVIGIILSL                                                                                                                                                                     |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                               |
| <b>Stability</b>        | Store for up to 12 months at -20°C to -80°C as lyophilized powder.                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.   |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | LRP5 low density lipoprotein receptor-related protein 5 [ Homo sapiens ]                                                                                                                                                                                                                                                   |
| Official Symbol | LRP5                                                                                                                                                                                                                                                                                                                       |
| Synonyms        | LRP5; low density lipoprotein receptor-related protein 5; EVR1, exudative vitreoretinopathy 1 , LRP7, OPPG, osteoporosis pseudoglioma syndrome; low-density lipoprotein receptor-related protein 5; BMND1; HBM; LR3; OPS; LRP-5; low density lipoprotein receptor-related protein 7; EVR1; EVR4; LRP7; OPPG; OPTA1; VBCH2; |
| Gene ID         | 4041                                                                                                                                                                                                                                                                                                                       |
| mRNA Refseq     | NM_002335                                                                                                                                                                                                                                                                                                                  |
| Protein Refseq  | NP_002326                                                                                                                                                                                                                                                                                                                  |
| MIM             | 603506                                                                                                                                                                                                                                                                                                                     |
| UniProt ID      | O75197                                                                                                                                                                                                                                                                                                                     |

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