

## Recombinant Human HSD11B1 Protein, His-tagged

**Cat. No.** HSD11B1-13951H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HSD11B1 Protein (1-292 aa) is produced by E. coli-derived expression system. This protein is fused with a His tag at the N-terminal.                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-292 aa                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.                                                                                 |
| <b>Molecular Mass</b>   | 32 kDa                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MAFMKKYLLPILGLFMAYYYYSANEEFRPEMLQGKKVIVTGASKGIGREMAYHLAKM<br>GAHVVVVTARSKETLQKVVSHCLELGAASAHYIAGTMEDMTFAEQFVAQAGKLMGGGL<br>DMLILNHITNTSLNLFHDDIHHVRKSMEVNFLSYVVLTVAAALPMLKQSNQSIVVSSLA<br>GKVAYPMVAAYSASKFALDGGFFSSIRKEYSVSRVNVSTLCVLGLIDTETAMKAVSGI<br>VHMQAAPKEECALEIIKGGALRQEEVYYDSSLWTTLLIRNPCRKILEFLYSTSYNMDR<br>FINK |
| <b>Purity</b>           | > 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder.                                                                                                                                                                                                                                       |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | <p>Short-term storage: Store at 2-8 centigrade for (1-2 weeks).</p> <p>Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution</b> | <p>Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.</p> <p>Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).</p> <p>If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).</p> <p>Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.</p> |
| <b>Shipping</b>       | <p>The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HSD11B1 hydroxysteroid (11-beta) dehydrogenase 1 [ Homo sapiens ]            |
| <b>Official Symbol</b> | HSD11B1                                                                      |
| <b>Synonyms</b>        | HSD11B1; SDR26C1; HDL; 11-DH; HSD11; HSD11B; HSD11L; 11-beta-HSD1; MGC13539; |
| <b>Gene ID</b>         | 3290                                                                         |
| <b>mRNA Refseq</b>     | NM_001206741                                                                 |
| <b>Protein Refseq</b>  | NP_001193670                                                                 |

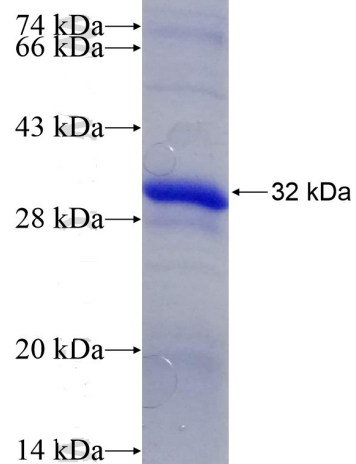
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