

## Recombinant Human AKR1D1 protein, His-tagged

Cat. No. AKR1D1-5633H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human AKR1D1 protein(209-326 aa), fused with N-terminal His tag, was expressed in E. coli.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 209-326 aa   |
| <b>Tag</b>              | N-His  |
| <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, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.   |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: 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>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

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**AA Sequence** CQQHDIVITAYSPLGTSRNPiWVNVSSPPLLKDALLNSLGKRYNKTAQAQIVLRFNIQR  
GVVVIPKSFNLERIKENFQIFDFSLTEEMKDIEALNKNVRFVELLMWRDHPPEYPFHD  
EY

## GENE INFORMATION

**Gene Name** [AKR1D1](#) [aldo-keto reductase family 1, member D1 \(delta 4-3-ketosteroid-5-beta-reductase\)](#) [ [Homo sapiens](#) ]

**Official Symbol** [AKR1D1](#)

**Synonyms** [AKR1D1](#); [aldo-keto reductase family 1, member D1 \(delta 4-3-ketosteroid-5-beta-reductase\)](#); [SRD5B1](#); [3-oxo-5-beta-steroid 4-dehydrogenase](#); [delta\(4\)-3-oxosteroid 5-beta-reductase](#); [delta\(4\)-3-ketosteroid 5-beta-reductase](#); [steroid-5-beta-reductase](#), [beta polypeptide 1 \(3-oxo-5 beta-steroid delta 4-dehydrogenase beta 1\)](#); [CBAS2](#); [3o5bred](#);

**Gene ID** [6718](#)

**mRNA Refseq** [NM\\_001190906](#)

**Protein Refseq** [NP\\_001177835](#)

**MIM** [604741](#)

**UniProt ID** [P51857](#)

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SDS-PAGE



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