

## Recombinant Human AKR1C4 protein, GST-tagged

Cat. No. AKR1C4-9534H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human AKR1C4 protein(1-323 aa), fused with N-terminal GST tag, was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 1-323 aa

**Tag** N-GST

**Form** 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.

**Purity** 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

**Storage** 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.

**Reconstitution** 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**

MDPKYQRVELNDGHFMPVLGFGTYAPPEVPRNRAVEVTKLAIEAGFRHIDSAYLYN  
 NEEQVGLAIRSKIADGSVKREDIFYTSKLVCTFFQPQMVQPALESSLKKLQLDYVDL  
 YLLHFPMALKPGETPLPKDENGKVIFDVTVDLSATWEVMEKCKDAGLAKSIGVSNFNY  
 RQLEMILNKPGLKYKPVCNQVECHPYLNQSKLLDFCKSKDIVLVAHSALGTQRHKLW  
 VDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRENIQVFE  
 FQLTSEDMKVLDGLNRNYRYVVMDFLMDHPDYPPFSDEY

**GENE INFORMATION**
**Gene Name**

AKR1C4 aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4) [ Homo sapiens ]

**Official Symbol**

AKR1C4

**Synonyms**

AKR1C4; aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4); CHDR; aldo-keto reductase family 1 member C4; 3 alpha HSD; C11; CDR; DD4; HAKRA; MGC22581; 3-alpha-HSD1; dihydrodiol dehydrogenase isozyme DD4; type I 3-alpha-hydroxysteroid dehydrogenase; DD-4; 3-alpha-HSD;

**Gene ID**

1109

**mRNA Refseq**

NM\_001818

**Protein Refseq**

NP\_001809

**MIM**

600451

**UniProt ID**

P17516

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SDS-PAGE



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