

## Recombinant Human AKR1A1 protein, GST-tagged

Cat. No. AKR1A1-9530H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human AKR1A1 protein(1-325 aa), fused with N-terminal GST tag, was expressed in E. coli.

**Species** HIV1

**Source** E.coli

**ProteinLength** 1-325 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**

MAASCVLLHTGQKMPLIGLGTWKSEPGQVKA AVKYALSVGYRHIDCAA IYGNEPEIG  
 EALKEDVGP GKAVPREELFVTSKLVNTKHH PEDVEPALRKT LADLQLEYLDLYLMH  
 WPYAFERGD NPFKPNADGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNSRQI  
 DDILSVASVRPAVLQVECHPYLAQNELIAHCQARGLEVTAYSPLGSSDRAW RDPDE  
 PVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICIPKSITPSRILQNIKVFDFTFSP EE  
 MKQLNALNKNWRYIVPMLTVDGKRVPRDAGHPLYPFNDPY

**GENE INFORMATION**

<b>Gene Name</b>	AKR1A1 aldo-keto reductase family 1, member A1 (aldehyde reductase) [ Homo sapiens ]
<b>Official Symbol</b>	AKR1A1
<b>Synonyms</b>	AKR1A1; aldo-keto reductase family 1, member A1 (aldehyde reductase); alcohol dehydrogenase [NADP(+)]; ALR; DD3; dihydrodiol dehydrogenase 3; aldehyde reductase; alcohol dehydrogenase; aldo-keto reductase family 1 member A1; ARM; ALDR1; MGC1380; MGC12529;
<b>Gene ID</b>	10327
<b>mRNA Refseq</b>	NM_001202414
<b>Protein Refseq</b>	NP_001189343
<b>MIM</b>	103830
<b>UniProt ID</b>	P14550

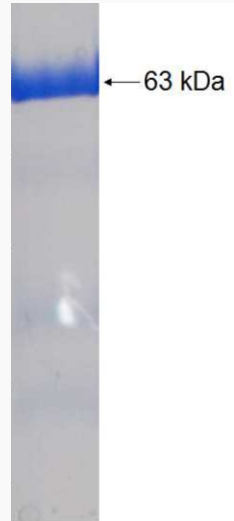
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SDS-PAGE



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