

## Recombinant Human AKR1B10 protein, His & T7-tagged

Cat. No. AKR1B10-1533H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AKR1B10 aa. (Met1~Tyr316 (Accession # O60218)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Tyr316
<b>Description</b>	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 39.8kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	8.2
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">AKR1B10</a> <a href="#">aldo-keto reductase family 1 member B10 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">AKR1B10</a>
<b>Synonyms</b>	AKR1B10; aldo-keto reductase family 1 member B10; HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12; aldo-keto reductase family 1 member B10; ARP; SI reductase; aldo-keto reductase family 1, member B10 (aldose reductase); aldo-keto reductase family 1, member B11 (aldose reductase-like); aldose reductase-like 1; aldose reductase-like peptide; aldose reductase-related protein; hARP; small intestine reductase
<b>Gene ID</b>	<a href="#">57016</a>
<b>mRNA Refseq</b>	<a href="#">NM_020299.4</a>

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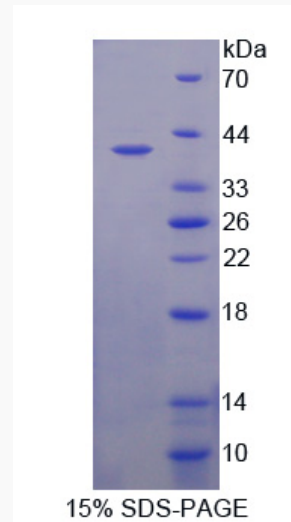
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**Protein Refseq** NP\_064695.3

**UniProt ID** O60218

**SDS-PAGE**



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