Recombinant Human AKR1B10 protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human AKR1B10 aa. (Met1~Tyr316 (Accession # O60218)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Tyr316
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.2

GENE INFORMATION

Gene Name	AKR1B10 aldo-keto reductase family 1 member B10 [Homo sapiens (human)]
Official Symbol	AKR1B10
Synonyms	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
Gene ID	57016
mRNA Refseq	NM_020299.4

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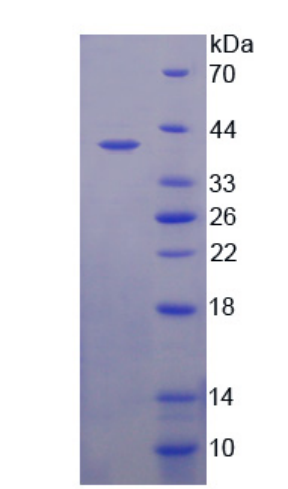
Protein Refseq	NP_064695.3
UniProt ID	O60218
SDS-PAGE	 15% SDS-PAGE

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