

## Recombinant Human AKR1B10

**Cat. No.** AKR1B10-27155TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human AKR1B10; amino acids 1-316, 36kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-316 a.a.
<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>Tissue specificity</b>	Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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**Sequences of amino acids**

MATFVELSTK AKMPIVGLGT WKSPLGKVKE AVKVAIDAGY RHIDCAYVYQ  
 NEHEVGAEIQ EKIQEKAVKR EDLFIVSKLW PTFFERPLVR KAFEKTLKDL  
 KLSYLDVYLI HWPQGFKSGD DLFPKDDKGN AIGGKATFLD AWEAMEELVD  
 EGLVKALGVS NFSHFQIEKL LNKPGLKYKP VTNQVECHPY LTQEKLIQYC  
 HSKGITVTAY SPLGSPDRPW AKPEDPSLLE DPKIKEIAAK HKKTAAQVLI  
 RFHIQRNVIV IPKSVTPARI VENIQVDFDK LSDEEMATIL SFNRNWRACN  
 VLQSSHLEDY PFDAEY

**Sequence Similarities**

Belongs to the aldo/keto reductase family.

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

[AKR1B10 aldo-keto reductase family 1, member B10 \(aldose reductase\) \[ Homo sapiens \]](#)

**Official Symbol**

[AKR1B10](#)

**Synonyms**

AKR1B10; aldo-keto reductase family 1, member B10 (aldose reductase); AKR1B11; aldo-keto reductase family 1 member B10; AKR1B12; aldo keto reductase family 1; member B11 (aldose reductase like); aldose reductase like 1; aldose reductase like peptide; aldo

**Gene ID**

[57016](#)

**mRNA Refseq**

[NM\\_020299](#)

**Protein Refseq**

[NP\\_064695](#)

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<b>MIM</b>	604707
<b>Uniprot ID</b>	O60218
<b>Chromosome Location</b>	7q33
<b>Pathway</b>	Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Linoleic acid metabolism, organism-specific biosystem;
<b>Function</b>	aldo-keto reductase (NADP) activity; oxidoreductase activity; protein binding;

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