Recombinant Human AKR1B10

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

SPECIFICATION

Product Overview	Recombinant full length Human AKR1B10; amino acids 1-316, 36kDa.
Species	Human
Source	E.coli
ProteinLength	1-316 a.a.
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.
Tissue specificity	Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	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 NEHEVGEAIQ EKIQEKAVKR EDLFIVSKLW PTFFERPLVR KAFEKTLKDL KLSYLDVYLI HWPQGFKSGD DLFPKDDKGN AIGGKATFLD AWEAMEELVD EGLVKALGVS NFSHFQIEKL LNKPGLKYKP VTNQVECHPY LTQEKLIQYC HSKGITVTAY SPLGSPDRPW AKPEDPSLLE DPKIKEIAAK HKKTAAQVLI RFHIQRNVIV IPKSVTPARI VENIQVFDFK 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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MIM	604707
Uniprot ID	O60218
Chromosome Location	7q33
Pathway	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;
Function	aldo-keto reductase (NADP) activity; oxidoreductase activity; protein binding;

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