



Human AKR1B10 peptide (DAG-P0151)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the aldo/keto reductase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	AKR1B10 aldo-keto reductase family 1, member B10 (aldose reductase) [Homo sapiens (human)]
Official Symbol	AKR1B10
Synonyms	AKR1B10; aldo-keto reductase family 1, member B10 (aldose reductase); HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12; aldo-keto reductase family 1 member B10; ARP; hARP; SI reductase; aldose reductase-like 1; small intestine reductase; aldose reductase-like peptide;

aldose reductase-related protein; aldo-keto reductase family 1, member B11 (aldose reductase-like);

Entrez Gene ID	57016
mRNA Refseq	NM_020299.4
Protein Refseq	NP_064695.3
UniProt ID	O60218
Chromosome Location	7q33
Pathway	Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Pentose and glucuronate interconversions, organism-specific biosystem; Pentos
Function	aldo-keto reductase (NADP) activity; geranylgeranyl reductase activity; indanol dehydrogenase activity; protein binding; retinal dehydrogenase activity;