

Recombinant Full Length Human AKR1B10 Protein, GST-tagged

Cat. No. AKR1B10-1365HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Human AKR1B10 full-length ORF (AAH08837, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

Species

Human

Source

In Vitro Cell Free System

ProteinLength

316 amino acids

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]

Molecular Mass

60.50 kDa

AA Sequence

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

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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; aldose reductase related protein; ALDRLn; ARL 1; ARL1; HIS; HSI; small intestine reductase; ARP; hARP; SI reductase; aldose reductase-like 1; aldose reductase-like peptide; aldose reductase-related protein; aldo-keto reductase family 1, member B11 (aldose reductase-like); ARL-1; MGC14103
Gene ID	57016
mRNA Refseq	NM_020299
Protein Refseq	NP_064695
MIM	604707
UniProt ID	O60218

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