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 NEHEVGEAIQ EKIQEKAVKR EDLFIVSKLW PTFFERPLVR KAFEKTLKDL KLSYLDVYLI HWPQGFKSGD DLFPKDDKGN AIGGKATFLD AWEAMEELVD EGLVKALGVS NFSHFQIEKL LNKPGLKYKP VTNQAECHPY LTQEKLIQYC HSKGITVTAY SPLGSPDRPW AKPEDPSLLE DPKIKEIAAK HKKTAAQVLI RFHIQRNVIV IPKSVTPARI VENIQVFDFK 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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