

Aldo-Keto Reductase Family 1 Member B10 Recombinant Protein | AKR1B10 recombinant protein

Recombinant Human Aldo-Keto Reductase Family 1 Member B10

CATALOG #
AAA38728

HOST
E Coli

PRODUCT SYNONYMS

Aldo-Keto Reductase Family 1 Member B10; Recombinant Human Aldo-Keto Reductase Family 1 Member B10; AKR1B10 Human; Aldo-Keto Reductase Family 1 Member B10 Human Recombinant; HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12; MGC14103; AKR1B10; Aldo-keto reductase family 1 member B10; Aldose reductase-like; Aldose reductase-related protein; ARP; hARP; Small intestine reductase; SI reductase; AKR1B10 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The AKR1B10 solution contains 20mM Tris-HCl pH-8 and 10% glycerol. Sterile Filtered clear colorless solution.
Sequence	MATFVELSTK AKMPIVGLGT WKSPLGKVKE AVKVAIDAGY RHIDCAYVYQ NEHEVGGEAIQ EKIQEKA VKR EDLFIVSKLW PTFFERPLVR KAFEKTLKDL KLSYLDVYLI HWPQGFKSGD DLFPKDDKGN AIGGKATFLD AWEAMEELVD EGLVKALGVS NFSHFQIEKL LNKPGPKYKP VTNQVECHPY LTQEKLQYC HSKGITVTAY SPLGSPDRPW AKPEDPSLLE DPKIKEIAAK HKKTAAQVLI RFHIQRNVIV IPKSVTPARI VENIQVFDFK LSDEEMATIL SFNRNWRACN VLQSSHLEDY PFDAEY
Sequence Length	316
Preparation and Storage	AKR1B10 Recombinant Human although stable at 4 degree C for 30 days, should be stored desiccated below -20 degree C for periods greater than 30 days. Please avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for AKR1B10 recombinant protein	Description: AKR1B10 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 316 amino acids (1-316 a.a) and having a molecular mass of 36 kDa. The AKR1B10 is purified by proprietary chromatographic techniques. Introduction: AKR1B10 efficiently reduces aliphatic and aromatic aldehydes, and it is less active on hexoses. AKR1B10 is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. AKR1B10 is a monomeric protein that competently catalyzes the reduction of aromatic and aliphatic aldehydes and ketones. AKR1B10 is widely expressed in numerous human tissues, small intestine, colon and adrenal gland. AKR1B10 is pathogenically involved in diabetic complications and is overexpressed in human tumors, such as liver, breast, and lung cancer, AKR1B10 is involved in the development and progression of cancer.
Product Categories/Family for AKR1B10 recombinant protein	Enzymes; Reductase

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468663
NCBI GeneID	57016
NCBI Accession #	NP_064695.3
NCBI GenBank Nucleotide #	NM_020299.4

UniProt Accession #	O60218 ; O75890 ; Q6FHF3 ; Q8IWZ1 ; A4D1P1
Molecular Weight	36,020 Da
NCBI Official Full Name	aldo-keto reductase family 1 member B10
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member B10 (aldose reductase)
NCBI Official Symbol	AKR1B10
NCBI Official Synonym Symbols	HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12
NCBI Protein Information	aldo-keto reductase family 1 member B10; ARP; SI reductase; aldo-keto reductase family 1, member B11 (aldose reductase-like); aldose reductase-like 1; aldose reductase-like peptide; aldose reductase-related protein; hARP; small intestine reductase
UniProt Protein Name	Aldo-keto reductase family 1 member B10
UniProt Gene Name	AKR1B10
UniProt Synonym Gene Names	AKR1B11; ARP; hARP; SI reductase
UniProt Entry Name	AK1BA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/akr1b10-recombinant-protein-e-coli/38728>