

Recombinant Human AKR1B10 protein, GST-tagged

Cat. No. AKR1B10-301110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR1B10 protein(1-316 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	1-316 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MATFVELSTKAKMPIVGLGTWKSPLGKVKEAVKVAIDAGYRHIDCAYVYQNEHEVGE AIQEKIQEKA VKREDLFIVSKLWPTFFERPLVRKA FEKTLKDLKLSYLDVYLIHWPQGF KSGDDLFPKDDKGN AIGGKATFLDAWEAMEELVDEGLVKALGVSNF SHFQIEKLLNK PGLKYKPV TNQVECHPYLTQE KLIQYCHSKGITVTAYSPLGSPDRPWAKPEDPSLLE DPKIKEIAAKHKKTAAQVLIRFHIQRNVIVIPKSVTPARIVENIQVFDFKLSDEEMATILS FNRNWRACNV LQSSHLEDYPFDAEY
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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;

mRNA Refseq

NM_020299

Protein Refseq

NP_064695

MIM

604707

UniProt ID

O60218

Gene ID

57016

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SDS-PAGE

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