

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 AIQEKIQEKAVKREDLFIVSKLWPTFFERPLVRKAFEKTLKDLKLSYLDVYLIHWPQGF KSGDDLFPKDDKGN AIGGKATFLDAWEAMEELVDEGLVKALGVS NFSHFQIEKLLNK PGLKYKPV TNQVECHPYLTQEKLIQYCHSKGITVTAYSPLGSPDRPWAKPEDPSLLE DPKIKEIAAKHKKTAAQVLIRFHIQRNVIVIPKSVTPARIVENIQVDFDKLSDEEMATILS FNRNWRACNVLQSSHLEDYPFDAEY
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,

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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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