

Recombinant Human AKR1B1 protein, GST-tagged

Cat. No. AKR1B1-1219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR1B1 protein(1-316 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-316 aa
Tag	N-GST
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

MASRLLLNNGAKMPILGLGTWKSPPGQVTEAVKVAIDVG YRHIDCAHVYQNEVEVG
 VAIQEKLRQVVKREELFIVSKLWCTYHEKGLVKGACQKTLSDLKLDYLDLYLIHWPT
 GFKPGKEFFPLDESGNVVPSDTNILD TWAAMEELVDEGLVKAIGISN FNHLQVEMILN
 KPGLKYKPAVNQIECHPYLTQEKL IQYCQSKGIVVTAYSPLGSPDRPWAKPEDPSLL
 EDPRIKAI AAKHNKTTAQVLIRFPMQRNLVVIPKSVTPERIAENFKVDFELSSQDMTT
 LLSYNRNWRVCALLSCTSHKDYPFHEEF

GENE INFORMATION
Gene Name

AKR1B1 aldo-keto reductase family 1, member B1 (aldose reductase) [Homo sapiens]

Official Symbol

AKR1B1

Synonyms

AKR1B1; aldo-keto reductase family 1, member B1 (aldose reductase); ALDR1; aldose reductase; AR; aldehyde reductase 1; low Km aldose reductase; Lii5-2 CTCL tumor antigen; aldo-keto reductase family 1 member B1; ADR; ALR2; MGC1804;

Gene ID

231

mRNA Refseq

NM_001628

Protein Refseq

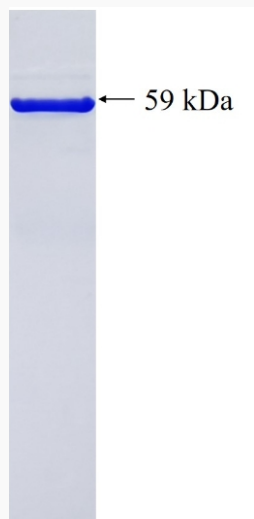
NP_001619

MIM

103880

UniProt ID

P15121

SDS-PAGE

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