

Active Recombinant Human AKR1B10 Protein, Met & His-tagged

Cat. No. AKR1B10-995H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR1B10 (Accession # O60218) Ala2-Tyr316, fused with an N-terminal Met and 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	Ala2-Tyr316
Predicted N Terminal	Inconclusive result, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments
Form	Supplied as a 0.2 µ filtered solution in Tris, NaCl, DTT and Glycerol.
Bio-activity	Measured by the disappearance of NADPH during the reduction of 4-nitrobenzaldehyde. The specific activity is >1,000 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human AKR1B10, Met & His-tagged has a calculated MW of 37 kDa. In SDS-PAGE migrates as 37-38 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
Reconstitution	Reconstitute at 100 µg/mL in PBS containing at least 0.1% human or bovine serum albumin.
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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Chromosome	7q33
Location	