

Recombinant Human AKR1A1 protein(Met1-Tyr325), His-tagged

Cat. No. AKR1A1-2495H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR1A1 (P14550) (Met 1-Tyr 325) was expressed in E. coli, fused with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Tyr325
Form	Lyophilized from sterile PBS, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human AKR1A1 consisting of 341 amino acids and migRates as an approximately 39 kDa band in SDS-PAGE under reducing conditions as predicted.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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GENE INFORMATION

Gene Name	AKR1A1 aldo-keto reductase family 1, member A1 (aldehyde reductase) [Homo sapiens]
Official Symbol	AKR1A1
Synonyms	AKR1A1; aldo-keto reductase family 1, member A1 (aldehyde reductase); alcohol dehydrogenase [NADP(+)]; ALR; DD3; dihydrodiol dehydrogenase 3; aldehyde reductase; alcohol dehydrogenase; aldo-keto reductase family 1 member A1; ARM; ALDR1; MGC1380; MGC12529;
Gene ID	10327
mRNA Refseq	NM_001202414
Protein Refseq	NP_001189343
MIM	103830
UniProt ID	P14550

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