

Recombinant Mouse Akr1b3 Protein, MYC/DDK-tagged

Cat. No. Akr1b3-576M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse aldo-keto reductase family 1, member B3 (aldose reductase) (Akr1b3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols with a broad range of catalytic efficiencies.
Molecular Mass	35.7 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Akr1b3 aldo-keto reductase family 1, member B3 (aldose reductase) [Mus musculus (house mouse)]
Official Symbol	Akr1b3
Synonyms	Akr1b3; aldo-keto reductase family 1, member B3 (aldose reductase); AR; ALR2; Ahr1; Ahr-1; Aldr1; Akr1b1; Aldor1; aldo-keto reductase family 1 member B1; aldehyde reductase 1; aldo-keto reductase family 1 member B3; aldo-keto reductase family 1, member B1 (aldose reductase); aldose reductase; EC 1.1.1.21; EC 1.1.1.300; EC 1.1.1.372; EC 1.1.1.54
Gene ID	11677
mRNA Refseq	NM_009658
Protein Refseq	NP_033788
UniProt ID	P45376

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