

Recombinant Mouse Akr1e1 Protein, Myc/DDK-tagged

Cat. No. Akr1e1-1584M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length aldo-keto reductase family 1, member E1 (Akr1e1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the NADPH-dependent reduction of 1,5-anhydro-D-fructose (AF) to 1,5-anhydro-D-glucitol. Can also catalyze the reduction of various aldehydes and quinones.
Molecular Mass	34.5 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.

GENE INFORMATION

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Gene Name	Akr1e1 aldo-keto reductase family 1, member E1 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Akr1e1
Synonyms	Akr1e1 ; aldo-keto reductase family 1, member E1; Akr1e2 ; 1810061I10Rik; 1,5-anhydro-D-fructose reductase; AF reductase; aldo-keto reductase family 1 member C-like protein 2; aldo-keto reductase family 1 member E2; EC 1.1.1.263
Gene ID	56043
mRNA Refseq	NM_018859
Protein Refseq	NP_061347
UniProt ID	Q9DCT1

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