

Recombinant Mouse Akr1b3 Protein, His-tagged

Cat. No. Akr1b3-7161M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Akr1b1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-316
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.
Form	Liquid
Molecular Mass	38.1 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSMASHLELNNGTKMPTLGLGTWKSPPGQVTEA VKVAIDLGYRHIDCAQVYQNEKEVGVALQEKLKEQVVKRQDLFIVSKLWCTFHDKSM VKGAFQKTLSDLQLDYL DLYLIHWPTGFKPGPDYFPLDASGNVIPS DTFVDWTAM EQLVDEGLVK TIGVSNFNPLQIERILNK PGLKYKPAVNQIECHPYLTQEKLIEYCHSKG IVTAYSPLGSPDRPWAKPEDPSLLEDPRIKAIAAKYNKTTAQVLIRFPIQRNLVVIPKS VTPVRIAENLKVDFEVSSEDMATLLSYNRNWRVCALMSCAKHKDYPFHAEV
Purity	> 95 % by SDS-PAGE

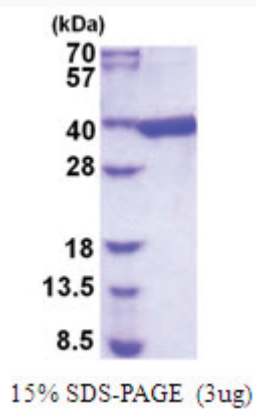
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 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate buffer saline (pH 7.4) containing 10 % glycerol.
GENE INFORMATION	
Gene Name	Akr1b3 aldose reductase family 1, member B3 (aldose reductase) [Mus musculus (house mouse)]
Official Symbol	Akr1b3
Synonyms	Akr1b3; aldose reductase family 1, member B3 (aldose reductase); A; AR; Ah; Al; Ahr; ALR2; Ahr1; Ahr-1; Aldr1; Akr1b1; Aldor1; aldose reductase family 1 member B1; aldehyde reductase 1; aldose reductase family 1 member B3; aldose 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

SDS-PAGE



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